

Cobham Antenna Systems

Microwave Antennas

COBHAM

Specialist Antenna Design and Manufacture
ANTENNA CATALOGUE

The most important thing we build is trust



DEFENCE
ANTENNAS



SECURITY
ANTENNAS



SATELLITE
COMMUNICATION
ANTENNAS



COMMERCIAL
ANTENNAS



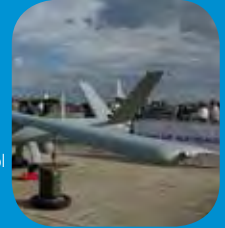
Cobham Antenna Systems

Microwave Antennas

Antennas for
WiFi and PMR
at airports



Unmanned
vehicle and
ground control
antennas



Cobham Antenna Systems, Microwave Antennas is a specialist in the design and manufacture of microwave antennas for defence, security, satellite and commercial applications, worldwide.

We constantly develop antennas for new and emerging markets and applications. If you cannot see what you need, please contact us.

With more than 2000 antenna designs available, our flat panel, sector, omni, hemi omni and ultra wideband antennas are used in locations as diverse as UAVs, helicopters, aircraft, missiles, race cars, railway systems, TV cameras, weather buoys and satellites.

The company's production, development and testing facilities are based in one UK location which ensures fast transition from design to production.

Our antennas are supplied to some of the largest organisations and companies worldwide.

All antennas are tested throughout development to ensure they meet quoted specifications and comply with relevant legislation.

Environmental testing can be carried out to recognised standards.

- Customer focused antenna design from initial concept to production
- Proven expertise and knowledge of all aspects of RF performance
- More than 1200 existing antenna designs provide cost effective solutions
- Appropriate mechanical design to meet the specified environment
- Approved supplier to major international defence and commercial organisations
- Mil standard qualification available
- ISO9001, 14001 AND 18001 certified company



Cover photograph antennas:

- 1 - Directional C-Band FPA26-47V/1147
- 2 - Omni with Integral GPS OA2-0.45V-GPS/1685
- 3 - Ultra Wideband Omni XPO2V-0.8-6.0-GF/1441
- 4 - Omni 5.8GHz OA6-5.8L/1756
- 5 - Omni 14.9GHz RCO4-148.1447
- 6 - Prototype Omni Blade
- 7 - Multi Sector MSA6-15-46L/879

Kent Police security field trials



London St Pancras International rail station



Broadband base station in Stuttgart



ANTENNA LISTINGS

Group 1 Antennas 100MHz to 1GHz

| | | |
|-------------|-------------|----|
| Directional | Single band | 4 |
| | Multi band | 6 |
| | Helix | 8 |
| | Vector RFID | 8 |
| Sector | Single band | 9 |
| | Vector RFID | 9 |
| Omni | Single band | 10 |
| | Multi band | 12 |
| | Hemi Omni | 12 |

Group 2 Antennas 1GHz to 2GHz

| | | |
|-------------|--------------|----|
| Directional | Single band | 13 |
| | Multi band | 16 |
| | Helix | 19 |
| Sector | Single band | 20 |
| | Multi sector | 21 |
| Omni | Single band | 22 |
| | Multi band | 27 |
| | Hemi Omni | 28 |

Group 3 Antennas 2GHz to 3GHz

| | | |
|-------------|--------------|----|
| Directional | Single band | 29 |
| | Multi band | 33 |
| | Helix | 34 |
| Sector | Single band | 35 |
| | Multi sector | 37 |
| Omni | Single band | 38 |
| | Multi band | 44 |
| | Hemi Omni | 44 |

Group 4 Antennas 3GHz to 4GHz

| | | |
|-------------|--------------|----|
| Directional | Single band | 45 |
| Sector | Single band | 47 |
| | Multi sector | 49 |

Group 5 Antennas 4GHz to 6GHz

| | | |
|-------------|--------------|----|
| Omni | Single band | 50 |
| | Multi band | 51 |
| Directional | Single band | 52 |
| | Multi band | 54 |
| | Helix | 54 |
| Sector | Single band | 55 |
| | Multi sector | 56 |
| Omni | Single band | 57 |
| | Multi band | 60 |

Group 6 Antennas 6GHz and above

| | | |
|-------------|--------------|----|
| Directional | Single band | 61 |
| | Helix | 63 |
| Sector | Single band | 64 |
| | Multi sector | 64 |
| Omni | Single band | 65 |

Ultra Wideband Antennas

| | |
|-------------|----|
| Directional | 66 |
| Sector | 67 |
| Omni | 68 |

Multi-Sector Antennas

| | |
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| Multi-Sector | 70 |
|--------------|----|

Blade Antennas

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| Omni | 72 |
| Sector | 73 |

Accessories

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|------------------------|----|
| Combiners and Dividers | 74 |
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Catalogue

Group 1 - 100MHz to 1GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

DIRECTIONAL

DIRECTIONAL - SINGLE BAND including ULTRA WIDEBAND

| | | | | | | | | |
|---------------------|--------------|-------------------|-----|-----|----------------|------------|--------|---|
| UWBA15300/1221 | 0.15 - 3.00 | Request datasheet | | | Right Circular | 705x671x37 | N(F) | ▲ |
| PES-200-1000-NC/581 | 0.20 - 1.00 | 2 | n/a | n/a | Circular | 560x372x35 | N(F) | |
| PA5-2344L/701 | 0.2344 | 5 | 90 | 90 | Left Circular | 80x65x2 | SMA(F) | |
| LPA7-390R/418 | 0.38 - 0.39 | 7 | 70 | 70 | Right Circular | 477x477x31 | SMA(F) | |
| LPA7-390R/1326 | 0.38 - 0.40 | 7.8 | 67 | 73 | Right Circular | 477x477x33 | N(F) | |
| PA7-402R/076 | 0.40 - 0.404 | 7 | 70 | 70 | Right Circular | 477x477x31 | N(F) | ▲ |

UWBA15300/1221



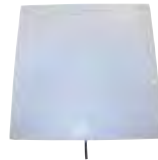
PA7-402R/076



FPA0-0.4-2.2R/1618



FPA0-0.4R/9401



LPA7-445V/1206



LPA6-830R/1229



| | | | | | | | | |
|-----------------------|-----------------|---|----|------|----------------|-------------|-----------------|-------|
| FPA0-0.4-2.2R/1618 | 0.40 - 2.20 | -15 to -6 (0.4-0.5) -6 to 0.03 (0.5-1) +3 to +9 (1-2.2) | 50 | 100 | Right Circular | 48x220 Ø | N(F) | ▲ |
| FPA7-0.41R/1805 | 0.4072 - 0.4172 | 7 | 70 | 70 | Right Circular | 477x477x31 | BNC(F) | |
| LPA7-412R/535 | 0.4072 - 0.4172 | 7 | 70 | 70 | Right Circular | 477x477x31 | SMA(F) | |
| LPA7-432R/419 | 0.427 - 0.437 | 7 | 70 | 70 | Right Circular | 477x477x31 | SMA(F) | |
| FPA0-433R/1324 | 0.433 | 0 | 80 | 80 | Right Circular | 325x325x41 | BNC(M) 1m cable | |
| FPA0-0.4R/9401 | 0.433 | 0 | 80 | 80 | Right Circular | 325x325x41 | BNC(M) 1m cable | ▲ |
| FPA0-0.4R/9403 | 0.433 | 0 | 80 | 80 | Right Circular | 585x585x3 | BNC(M) 1m cable | |
| FPA4-0.4R/9408 | 0.433 | 4 | 57 | 56.5 | Right Circular | 594x594x3.2 | N(F) | |
| FPA4-0.4R/9402 | 0.433 | 4 | 47 | 48 | Right Circular | 725x725x3 | N(F) | |
| LPA7-450R/527 | 0.44 - 0.45 | 7 | 70 | 70 | Right Circular | 477x477x31 | SMA(F) | |
| FPA8-0.5V/1538 | 0.44 - 0.47 | 8.4 | 73 | 65 | Vertical | 530x450x50 | N(F) | |
| LPA7-455V/1206 | 0.44 - 0.47 | 8.4 | 73 | 65 | Vertical | 450x450x52 | 716(F) | ▲ |
| PSA7530L/1147 | 0.50 - 3.00 | 1 (0.5) 4 to 6 (1-3) | 70 | 90 | Left Circular | 57x246 Ø | SMA(F) 90° | |
| PSA75301R/170 | 0.50 - 3.00 | 1 (0.5) 4 to 6 (1-3) | 70 | 90 | Right Circular | 57x246 Ø | SMA(F) 90° | |
| PSA-50200-LP/1211 | 0.50 - 3.00 | 8 | 70 | 60 | Right Circular | 490x365x30 | N(F) | |
| PSA-50200-LP/1421 | 0.50 - 3.00 | 8 | 70 | 60 | Right Circular | 490x365x31 | N(F) | |
| BDPSA5-50800-D2/1160 | 0.50 - 8.00 | 5 | 80 | 70 | Circular | 488x356x22 | SMA(F) x2 | |
| BDFPA-0.6-4.0-RL/1313 | 0.60 - 4.00 | 4.5 | 75 | 75 | Circular | 280x227x50 | N(F) 1m cable | |
| FPA-0.6-6.0R/1562 | 0.60 - 6.00 | 1 to 6 | 70 | 70 | Circular | 50x219 Ø | N(F) | |
| FPA7-0.64R/1752 | 0.615 - 0.665 | 8.8 | 67 | 64 | Right Circular | 370x370x29 | N(M) | |
| FPA7-0.77R/1753 | 0.745 - 0.795 | 8 | 67 | 68 | Right Circular | 300x300x29 | N(F) | |
| LPA6-830R/1229 | 0.80 - 0.86 | 8 | 70 | 70 | Right Circular | 240x240x28 | N(F) | ▲ |
| PSA-8025R/707 | 0.80 - 2.50 | 4.5 to 8 | 65 | 65 | Right Circular | 48x220 Ø | N(F) | |
| FPA3-0.8-6.0R/1329 | 0.80 - 6.00 | 4.5 | 80 | 80 | Right Circular | 50x219 Ø | N(F) | |
| FPA3-0.8-6.0L/1812 | 0.80 - 6.00 | 4.5 | 80 | 80 | Left Circular | 50x219 Ø | N(F) | above |

Group 1 - 100MHz to 1GHz

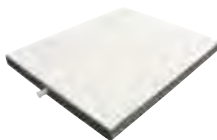
Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|------------------|------------------|-------------|----------------------|----|----------------|------------------|-------------------|------------|
| LPA7-820L/420 | 0.815 - 0.825 | 6 | 78 | 74 | Left Circular | 300x246x20 | SMA(F) | |
| LPA7-845R/489 | 0.82 - 0.87 | 7 | 60 | 60 | Right Circular | 300x246x20 | SMA(F) | |
| LPA7-856L/930 | 0.82 - 0.87 | 7 | 60 | 60 | Left Circular | 300x246x20 | SMA(F) | |
| LPA7-845V/937 | 0.82 - 0.87 | 8.5 | 78 | 62 | Vertical | 300x246x20 | SMA(F) | |
| FPA7-0.9R/1793 | 0.824 - 0.96 | 7.5 | 73 | 77 | Right Circular | 198x198x20 | N(F) | |
| LPA7-869R/1097 | 0.84 - 0.90 | 7 | 70 | 70 | Right Circular | 300x245x20 | SMA(F) 0.3m cable | |
| FPA13-0.9VH/1387 | 0.86 - 0.91 | 13.4 | 39 | 38 | Dual V&H | 480x480x11 | SMA(F) x2 | ▲ |
| FPA7-0.9H/1732 | 0.86 - 0.93 | 7.7 | 72 | 73 | Horizontal | 295x241x20 | TNC(F) | ▲ |
| FPA2-0.9R/9405 | 0.868 | 1.5 | 85 | 75 | Right Circular | 170x170x3 | BNC(M) 1 cable | |
| FPA5-0.9R/9406 | 0.868 | 5.2 | 46 | 46 | Right Circular | 390x390x3 | BNC(M) 1 cable | |

FPA13-0.9VH/1387



FPA7-0.9H/1732



LPA7-900L/938



FPA7-0.9V/9001



LPA7-900V/525

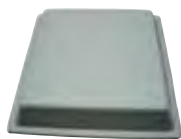


| | | | | | | | | |
|--------------------|-------------|-----|----|----|----------------|------------|----------------------|---|
| FPA13-900V-SMA/326 | 0.87 - 0.96 | 13 | 40 | 40 | Vertical | 477x477x31 | SMA(F) | |
| FPA13-900V-NF/928 | 0.87 - 0.96 | 13 | 40 | 40 | Vertical | 477x477x31 | N(F) | |
| LPA7-900R/286 | 0.87 - 0.96 | 7 | 80 | 80 | Right Circular | 300x246x20 | SMA(F) | |
| LPA7-900V-502/288 | 0.87 - 0.96 | 8 | 70 | 60 | Vertical | 300x246x20 | N(M) 90° 0.55m cable | |
| LPA7-900L/938 | 0.87 - 0.96 | 7 | 80 | 80 | Left Circular | 300x246x20 | SMA(F) | ▲ |
| FPA7-0.9V/9001 | 0.87 - 0.96 | 7.7 | 80 | 70 | Vertical | 170x170x26 | SMA(F) | ▲ |
| LPA7-900V/525 | 0.87 - 0.96 | 7 | 70 | 60 | Vertical | 300x246x20 | SMA(F) | ▲ |

LPA7-900R/526



LPA7-915V/1134



LPA7-900V-503/770



LPA7-900L/1393



FPA15-916H/1159



| | | | | | | | | |
|-------------------|--------------|------|----|----|----------------|-------------|-----------------------|-----|
| LPA7-900R/526 | 0.87 - 0.96 | 7 | 80 | 80 | Right Circular | 300x246x20 | SMA(F) | ▲ |
| LPA7-915V/1134 | 0.87 - 0.96 | 7.7 | 80 | 70 | Vertical | 170x168x27 | SMA(F) | ▲ |
| FPA7-0.9V/1831 | 0.87 - 0.96 | 7.7 | 80 | 70 | Vertical | 170x170x27 | SMA(F) | |
| LPA7-900V-503/770 | 0.87 - 0.96 | 8 | 70 | 60 | Vertical | 300x246x20 | N(M) 0.5m cable | ▲ |
| FPA13-915R/1233 | 0.87 - 0.96 | 13 | 40 | 40 | Right Circular | 477x477x31 | N(F) | |
| FPA13-0.9R/1612 | 0.879 - 0.96 | 13 | 40 | 40 | Right Circular | 477x477x31 | N(F) | |
| LPA7-900V-702/580 | 0.88 - 0.96 | 7 | 70 | 55 | Vertical | 300x246x20 | MCX 2m cable | |
| LPA7-900L/1393 | 0.88 - 0.96 | 7 | 80 | 80 | Left Circular | 300x246x20 | N(F) | ▲ |
| LPA7-900V-701/363 | 0.88 - 0.96 | 8 | 70 | 55 | Vertical | 300x246x20 | N(M) elbow 0.3m cable | |
| FPA-0.8-2.2R/1730 | 0.80 - 2.20 | 6.5 | 71 | 73 | Right Circular | 387x235x176 | N(F) | p34 |
| FPA15-916H/1159 | 0.90 - 0.93 | 15.4 | 24 | 31 | Horizontal | 762x559x17 | N(F) | ▲ |
| PA5-915V/370 | 0.91 - 0.92 | 5 | 76 | 76 | Vertical | 180x180x2 | SMA(F) | |


Catalogue

Group 1 - 100MHz to 1GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

DIRECTIONAL - MULTIBAND

| | | | | | | | | |
|---|---|---|---|---|---|-------------|--------------------------|-------|
| FPA13-900V-LPA7-455V/1205 | 0.44 - 0.47 0.87 - 0.93 | 8.5 12.4 | 39 68 | 37.5 67 | Vertical | 850x450x50 | 716(F) | ▲ |
| DLPA4-850R-1945R/1071 | 0.80 - 0.89 1.89 - 1.99 | 4 5 | 80 60 | 60 45 | Right Circular | 286x160x24 | SMA(M)90° 3m cable x2 | |
| DLPA5-850R-1945R/1070 | 0.80 - 0.89 1.89 - 1.99 | 6 8 | 80 60 | 60 45 | Right Circular | 286x160x24 | SMA(M) 90° 0.3m cable x2 | |
| DLPAS-850R-1945R/1189 | 0.805 - 0.895 1.895 - 1.99 | 4 | 80 60 | 60 45 | Right Circular | 286x160x24 | SMA(M) 5m cable x2 | |
| DLPA4-850R-1945R/1216 | 0.805 - 0.895 1.895 - 1.99 | 3 3.5 | 80 60 | 60 45 | Right Circular | 286x160x24 | SMA(M)90° 5m cable x2 | |
| DLPA7-892R-1850R/1522 | 0.82 - 0.96 1.71 - 1.99 | 8 | 75 53 | 65 53 | Right Circular | 298x198x25 | N(F) x2 | |
| DFPA9-0.9L-1.9L/1823 | 0.824 - 0.96 1.71 - 1.99 | 8.5 | 67 60 | 55 43 | Left Circular | 359x246x25 | N(F) x2 | ▲ |
| DLPA7-892R-1850R/1290 | 0.824 - 0.96 1.71 - 1.99 | 8 | 75 53 | 65 53 | Right Circular | 298x198x25 | SMA(F) x2 | ▲ |
| DFPA9-0.9L-1.9L/1591 | 0.824 - 0.96 1.71 - 1.99 | 8.5 | 71 54 | 63 44 | Left Circular | 300x240x22 | N(F) x2 | |
| FPA-0.8-2.2R/1730 | 0.80 - 2.20 | 6.5 | 71 | 73 | Right Circular | 387x235x176 | N(F) | ▲ |
| DLPA4-915R-1800R/936 | 0.87 - 0.96 1.71 - 1.88 | 4 5.2 | 80 60 | 60 50 | Right Circular | 286x160x24 | SMA(M) 5m cable x2 | ▲ |
| DLPA4-915R-1800R/1215 | 0.87 - 0.96 1.71 - 1.88 | 4 5.2 | 80 60 | 60 50 | Right Circular | 286x160x24 | SMA(M) 5m cable x2 | ▲ |
| LPA7-900-1800-DF2/900 | 0.87 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | N(F) 0.3m cable x2 | |
| DLPA5-915R-1800R/1217 | 0.87 - 0.96 | 6.4 | 80 | 60 | | | | |
| FPA13-900V-LPA7-455V/1205 | DFPA9-0.9L-1.9L/1823 | DLPA7-892R-1850R/1290 | FPA-0.8-2.2R/1730 | DLPA4-915R-1800R/936 | DLPA4-915R-1800R/1215 | | | |
|  |  |  |  |  |  | | | |
| | 1.71 - 1.88 | 8.5 | 60 | 50 | Right Circular | 286x160x24 | SMA(M) 0.3m cable | |
| DLPA5-915R-1800R/880 | 0.87 - 0.96 1.71 - 1.88 | 6.4 8.5 | 80 60 | 60 50 | Right Circular | 286x160x24 | SMA(M) 0.3m cable x2 | above |
| DLPA7-915R-1800R-TNC/1136 | 0.87 - 0.96 1.71 - 1.88 | 7.9 8.9 | 80 55 | 70 70 | Right Circular | 256x175x24 | TNC(F) TNC(M) | above |
| LPA7-900-1800-DF/1408 | 0.88 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(F) x2 | |
| LPA7-900-1800-DF/629 | 0.88 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(F) x2 | |
| LPA7-900-1800-FL/654 | 0.88 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(M) 0.3m cable | |
| LPA7-900-1800-NF/694 | 0.88 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | N(F) 0.3m cable | |
| LPA7-900V-1800V/609 | 0.88 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | N(F) | |
| LPA7-900-1800-DF-FL/653 | 0.88 - 0.96 | | | | | | | |

Group 1 - 100MHz to 1GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-----------------------------|------------------|-------------|----------------------|----|----------------|------------------|-------------------------------|------------|
| LPA7-900V-1800V-P1/604 | 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(M) 0.3m cable x2 | |
| | 0.88 - 0.96 | | | | | | | |
| LPA6-TRI-FL-D4/957 | 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(F) | |
| | 0.87 - 0.96 | | | | | | | |
| LPA7-TRI-FL-D1/768 | 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(F) 2m LSHJ cable x3 ▲ | |
| | 1.92 - 2.175 | | | | | | | |
| FPA6-TRI/1671 | 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(M) 1m LSZHJ cable x3 | |
| | 0.88 - 0.96 | | | | | | | |
| LPA7-TRI-COM/684 | 1.71 - 1.88 | 6 | 79 | 5 | Vertical | 339x225x25 | SMA(F) 2.75m LSHJ cables x3 ▲ | |
| | 0.88 - 0.96 | | | | | | | |
| LPA7-TRI-FL-D3/956 | 1.71 - 1.88 | 7 | 75 | 60 | Vertical | 339x225x42 | SMA(F) | above |
| | 0.88 - 0.96 | | | | | | | |
| LPA7-TRI-SMA/651 | 1.71 - 1.88 | 7 | 80 | 80 | Vertical | 339x225x25 | SMA(F) 1m LSZHJ cable x3 | |
| | 1.92 - 2.175 | | | | | | | |
| LPA7-TRI-FL-D2/1005 | 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(F) x3 ▲ | |
| | 0.88 - 0.96 | | | | | | | |
| LPA7-TRI-FL-D2/955 | 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(M) 2m LSZHJ cable x3 | |
| | 0.88 - 0.96 | | | | | | | |
| LPA7-TRI-FL/652 | 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(M) 0.3m LSZHJ cable x3 | |
| | 1.92 - 2.175 | | | | | | | |
| FPA7-TRI-R/1589 | 1.71 - 1.88 | 8.5 | 70 | 60 | Right Circular | 339x225x25 | N(F) x3 ▲ | |
| | 0.88 - 0.96 | | | | | | | |
| FPA7-TRI-R/1873 | 1.71 - 1.88 | 8.5 | 70 | 60 | Right Circular | 339x225x25 | N(F) x3 | |
| | 0.88 - 0.96 | | | | | | | |
| FPA7-TRI-R/1695 | 1.71 - 1.88 | 8.5 | 70 | 60 | Right Circular | 358x246x25 | N(F) x3 | |
| | 0.88 - 0.98 | | | | | | | |
| LPA7-TRI-DS2450-DS5500/1090 | 1.71 - 1.88 | 7 | 60 | 60 | Vertical | 339x225x42 | SMA(F) x7 | |
| | 1.92 - 2.175 | | | | Vertical | | | |
| | 2.40 - 2.50 | | | | Dual ±45° | | | |
| | 5.25 - 5.85 | | | | Dual ±45° | | | |



Catalogue

Group 1 - 100MHz to 1GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|----------------------------|------------------|-------------|----------------------|----|----------------|------------------|-----------------|------------|
| DIRECTIONAL - HELIX | | | | | | | | |
| AMHP12-860R/009 | 0.75 - 0.95 | 9.5 | 55 | 55 | Right Circular | 699x154 Ø | N(F) | ▲ |

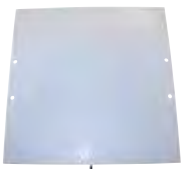
AMHP12-860R/009



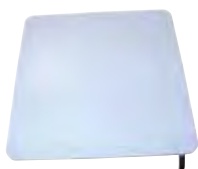
DIRECTIONAL - for RFID

| | | | | | | | | |
|----------------|-------|-----|----|------|----------------|------------|-----------------|-------|
| FPA0-0.4R/9401 | 0.433 | 0 | 80 | 80 | Right Circular | 325x325x41 | BNC(M) 1m cable | ▲ |
| FPA0-0.4R/9403 | 0.433 | 0 | 80 | 80 | Right Circular | 585x585x3 | BNC(M) 1m cable | |
| FPA4-0.4R/9408 | 0.433 | 4 | 57 | 56.5 | Right Circular | 594x594x3 | N(F) | above |
| FPA4-0.4R/9402 | 0.433 | 4 | 47 | 48 | Right Circular | 725x725x3 | N(F) | |
| FPA2-0.9R/9405 | 0.868 | 1.5 | 85 | 75 | Right Circular | 170x170x3 | BNC(M) 1m cable | ▲ |
| FPA5-0.9R/9406 | 0.868 | 5.2 | 46 | 46 | Right Circular | 390x390x3 | BNC(M) 1m cable | ▲ |

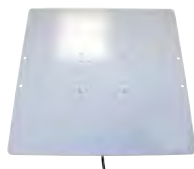
FPA0-0.4R/9401



FPA2-0.9R/9405



FPA5-0.9R/9406



Group 1 - 100MHz to 1GHz

Sector

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

SECTOR

SECTOR

| | | | | | | | | |
|--------------------------|---------------|--------|-----|------|----------|-------------|------|---|
| SA7-180-0.36V/1572 | 0.34 - 0.38 | 6.6 | 173 | 35 | Vertical | 1090x386x3 | N(F) | |
| SA7-150-435V/1041 | 0.40 - 0.47 | 4 to 7 | 150 | 40 | Vertical | 900x300x3 | N(F) | ▲ |
| SA13-60-0.9V/1462 | 0.902 - 0.928 | 13 | 73 | 16.5 | Vertical | 1000x250x30 | N(F) | ▲ |
| SA9-180-0.96-1.22V/1814 | 0.96 - 1.215 | 9 | 180 | 20 | Vertical | 1228x250 Ø | N(F) | ▲ |
| SA13-120-0.96-1.22V/1694 | 0.96 - 1.22 | 13 | 110 | 9 | Vertical | 1650x155 Ø | N(F) | |

SA7-150-435V/1041



SA13-60-0.9V/1462



SA9-180-0.96-1.22V/1814



SECTOR - BLADE Antennas

| | | | | | | | | |
|---------------------|---------------|--------|-----|-----|----------|-----------|-------------------|---|
| HDA-368/1025 blade | 0.36 - 0.37 | 0 to 2 | 140 | 90 | Mixed | 161x125x1 | SMA(F) | |
| HDA-0.38/1811 blade | 0.369 - 0.389 | 0 | 64 | 126 | Linear | 202x52x2 | SMA(M) 1m cable | ▲ |
| HDA-462/517 blade | 0.462 | 0 to 2 | n/a | n/a | Mixed | 130x100x1 | SMA(M) 1m cable | |
| HDA-0.9V/1798 blade | 0.87 - 0.96 | 0 to 2 | 360 | 80 | Vertical | 35x25x7 | SMA(M) 1.5m cable | |

HDA-0.38/1811 blade



SECTOR - for RFID

| | | | | | | | | |
|---------------|-------------|---|-----|------|----------|------------|-----------------|-------|
| SA4-0.4V/9404 | 0.40 - 0.45 | 5 | 160 | 57.5 | Vertical | 408x273x18 | BNC(M) 1m cable | above |
| SA4-0.9V/9407 | 0.82 - 0.92 | 4 | 180 | 75 | Vertical | 203x136x2 | OPTIONS | |

Catalogue

Group 1 - 100MHz to 1GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

OMNI

OMNI - SINGLE BAND including ULTRA WIDEBAND and BLADE Antennas

| | | | | | | | | |
|----------------------|---------------|----------------------------------|-----|----|----------|---------------|---------------|---|
| OA2-0.1-0.5V/1534 | 0.136 - 0.50 | 0 (<200) 3 (>200) | 360 | 60 | Vertical | 855x104 Ø | N(F) | |
| OA2-0.1-0.5V/1872 | 0.136 - 0.50 | -3 to 0 (<200) 0 to +3 (>200) | 360 | 60 | Vertical | 855x104 Ø | N(F) | |
| OA2-0.15-0.60V/1663 | 0.15 - 0.60 | 2 | 360 | 80 | Vertical | 806x156 Ø | N(F) | |
| OA2-0.15-0.60V/1664 | 0.15 - 0.60 | 2 | 360 | 80 | Vertical | 806x156 Ø | N(F) | |
| XPO2V-150-600/148 | 0.15 - 0.60 | 2 | 360 | 80 | Vertical | 806x156 Ø | N(F) | |
| OA2-0.23V/1862 | 0.227 - 0.233 | 2 | 360 | 75 | Vertical | 775x25 Ø | N(F) | |
| OA2-0.2V/1446 | 0.23 - 0.24 | 2 | 360 | 75 | Vertical | 757x162 Ø | N(F) | |
| OA2-0.2V/1516 | 0.233 - 0.239 | 2 | 360 | 75 | Vertical | 752x25 Ø | N(F) | |
| OA2-0.2-0.8V/1556 | 0.25 - 0.825 | -0.6 to 4.7 | 360 | 60 | Vertical | 585x79 Ø | N(F) | |
| XPO3V-300-600/83 | 0.30 - 0.60 | 3 | 360 | 80 | Vertical | 500x96 Ø | N(F) | ▲ |
| OA2-0.3-1.0V/1530 | 0.30 - 1.00 | 2 | 360 | 60 | Vertical | 472x104 Ø | N(F) | |
| OA2-0.3-10.0V/1667 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1668 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1505 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| EVD2-320/116 | 0.315 - 0.325 | 2 | 360 | 80 | Vertical | 584x25 Ø | N(F) | |
| OA2-0.33V/1866 | 0.32 - 0.33 | 2 | 360 | 75 | Vertical | 585x25 Ø | N(F) | |
| SBA-0.35V/1856 blade | 0.342 - 0.36 | 2 | 360 | 74 | Vertical | 204x30, 40x40 | SMA(F) | |
| OA2-0.35V/1889 | 0.344 - 0.354 | 2 | 360 | 75 | Vertical | 544x26 Ø | N(F) | |
| SBA-0.36V/1573 blade | 0.344 - 0.374 | 0 to 2 | 360 | 80 | Vertical | 160x32x40 | SMA(F) | |
| OA4-0.36V/1879 | 0.35 - 0.37 | 4.5 | 360 | 26 | Vertical | 1608x57 Ø | TNC(F) | |
| OA2-0.4V/1604 | 0.38 - 0.40 | 2 | 360 | 75 | Vertical | 650x36 Ø | N(F) | |
| OA1-0.42V/1316 | 0.38 - 0.47 | 1 | 360 | 85 | Vertical | 239x395 Ø | N(F) 1m cable | ▲ |
| OA2-0.45V-GPS/1685 | 0.40 - 0.50 | 0 to 2 | 360 | 80 | Vertical | 675x138 Ø | N(F), TNC(F) | ▲ |

XPO3V-300-600/83



OA1-0.42V/1316



OA2-0.45V-GPS/1685



SVD2-0.4V/1700



SVD2-450/536









SBA-0.5V/1829 blade



| | | | | | | | | |
|---------------------|---------------|-----|-----|-----|----------|---------------|--------|-------|
| SVD2-0.4V/1700 | 0.402 - 0.418 | 2 | 360 | 80 | Vertical | 396x11 Ø | N(F) | ▲ |
| SBA-0.4V/1469 blade | 0.415 - 0.435 | 2.4 | 360 | 80 | Vertical | 40x40x175 | SMA(F) | above |
| EVD2-415/552 | 0.416 - 0.424 | 2 | 360 | 110 | Vertical | 570x25 Ø | N(F) | |
| EVD2-0.4/1477 | 0.416 - 0.434 | 2 | 360 | 110 | Vertical | 584x26 Ø | N(M) | |
| SVD2-410/1101 | 0.42 - 0.42 | 2 | 360 | 80 | Vertical | 370x11 Ø | SMA(F) | |
| SVD2-435/523 | 0.425 - 0.445 | 2 | 360 | 80 | Vertical | 335x12 Ø | SMA(F) | |
| OA2-0.45V/1770 | 0.433 - 0.463 | 2 | 360 | 70 | Vertical | 618x57 Ø | N(F) | |
| SVD2-450/536 | 0.436 - 0.453 | 2 | 360 | 80 | Vertical | 335x12 Ø | SMA(M) | ▲ |
| SBA-0.5V/1829 blade | 0.45 - 0.465 | 2 | 360 | 90 | Vertical | 40x40, 30x160 | SMA(F) | ▲ |
| OA4-0.5V/1849 | 0.45 - 0.47 | 5 | 360 | 33 | Vertical | 1225x57 Ø | TNC(F) | |
| EVD2-458/058 | 0.453 - 0.463 | 2 | 360 | 80 | Vertical | 504x25 Ø | N(F) | |

Group 1 - 100MHz to 1GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---|---|---|---|---|---|------------------|-----------------|------------|
| OA2-0.46V/1809 | 0.453 - 0.463 | 2 | 360 | 80 | Vertical | 452x28 Ø | TNC(M) | ▲ |
| OA4-0.48V/1887 | 0.47 - 0.49 | 5 | 360 | 32 | Vertical | 1228x57 Ø | TNC(F) | |
| XPO3V-500-1300-LP/586 | 0.50 - 1.30 | 1 to 2 | 360 | 80 | Vertical | 275x108 Ø | N(F) | |
| XPO2V-500-1300/1351 | 0.50 - 1.30 | 1 to 2 | 360 | 80 | Vertical | 326x108 Ø | N(F) | |
| XPO3V-500-1300/034 | 0.50 - 1.30 | 1 to 2 | 360 | 80 | Vertical | 333x108 Ø | N(F) | |
| EVD2-785/847 | 0.735 - 0.835 | 2 | 360 | 80 | Vertical | 306x25 Ø | N(F) | |
| EVD2-0.8/1650 | 0.735 - 0.835 | 2 | 360 | 80 | Vertical | 323x26 Ø | N(M) | |
| SBA-0.8V/1780 blade | 0.76 - 0.83 | 0 | 360 | 60 | Vertical | 90x44 Ø | TNC(F) | |
| VOA7-830-UT12/1228 | 0.80 - 0.86 | 6 | 360 | 18.5 | Vertical | 1228x57 Ø | N(F) | |
| OA2-0.8-6.0V/1665 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| OA2-0.8-6.0V/1666 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| XPO2V-0.8-6.0-GF/1441 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| XPO2V-0.8-6.0/1485 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x79 Ø | N(F) | |
| OA2-0.46V/1809 | OA2-0.85-6.0V/1699 | EVD2-915/1284 | EVD2-915/260 | SVD2-915/1559 | SVD2-915/432 | | | |
|  |  |  |  |  |  | | | |
| EVD2-840/268 | 0.81 - 0.87 | 2 | 360 | 80 | Vertical | 244x25 Ø | N(F) | |
| VOA7-850/041 | 0.825 - 0.875 | 6 to 7 | 360 | 25 | Vertical | 1005x57 Ø | N(F) | above |
| SVD2-870/524 | 0.835 - 0.905 | 2 | 360 | 80 | Vertical | 193x12 Ø | SMA(F) | |
| EVD2-0.87V/1848 | 0.84 - 0.90 | 2 | 360 | 80 | Vertical | 248x26 Ø | N(F) | |
| OA2-0.85-6.0V/1699 | 0.84 - 6.00 | 1 | 360 | 60 | Vertical | 170x60 Ø | N(F) | ▲ |
| FVD2-0.9V/1635 | 0.869 - 0.96 | 0 | 360 | 80 | Vertical | 462x26 Ø | N(M) | |
| EVD2-915/1284 | 0.87 - 0.96 | 2 | 360 | 80 | Vertical | 262x26 Ø | N(M) | ▲ |
| EVD2-915/260 | 0.87 - 0.96 | 2 | 360 | 80 | Vertical | 248x25 Ø | N(F) | ▲ |
| SVD2-915-NM90/791 | 0.87 - 0.96 | 2 | 360 | 80 | Vertical | 203x12 Ø | N(M) 90° | |
| SVD2-915/1559 | 0.87 - 0.96 | 2 | 360 | 80 | Vertical | 230x12 Ø | TNC(M) | ▲ |
| SVD2-915/432 | 0.87 - 0.96 | 2 | 360 | 80 | Vertical | 190x12 Ø | SMA(M) | ▲ |
| OA4-0.9V/1452 | 0.87 - 0.96 | 4 | 360 | 40 | Vertical | 705x57 Ø | N(F) | |
| OA4-0.9V/1640 | 0.87 - 0.96 | 4 | 360 | 39 | Vertical | 633x54 Ø | QN(M) | above |
| VOA4-918/052 | 0.87 - 0.96 | 4 | 360 | 40 | Vertical | 705x57 Ø | N(F) | above |
| VOA4-918/1318 | 0.87 - 0.96 | 4 | 360 | 40 | Vertical | 705x57 Ø | N(F) | above |
| OA4-0.9V/1520 | 0.87 - 0.96 | 4.5 | 360 | 45 | Vertical | 605x57 Ø | N(F) | |
| OA4-0.9V/1844 | 0.87 - 0.96 | 4.9 | 360 | 35 | Vertical | 705x57 Ø | N(F) | |
| VOA7-915/151 | 0.87 - 0.96 | 7 | 360 | 20 | Vertical | 1208x57 Ø | N(F) | p40 |
| XPO2V-880-2175/1355 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 221x50 Ø | N(F) | |
| XPO2V-880-2175/1350 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 345x36 Ø | N(F) | |
| OA2-0.9-2.2V/1830 | 0.88 - 2.175 | 2 | 360 | 50 | Vertical | 262x31 Ø | QN(M) | p40 |
| OA2-0.8-2.2V/1726 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 345x36 Ø | N(F) | |
| XPO2V-880-2175/1060 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 221x50 Ø | N(F) | |
| XPO2V-880-2175/1321 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 221x50 Ø | N(F) | |

Catalogue

Group 1 - 100MHz to 1GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---------------------------|------------------|-------------|----------------------|------|--------------|------------------|-----------------|------------|
| SBA-900/1249 blade | 0.902 - 0.928 | 0 to 2 | 360 | 100 | Vertical | 25x77x3, 44 Ø | TNC(F) | ▲ |
| EVD2-960-1215/004 | 0.96 - 1.215 | 2 | 360 | 80 | Vertical | 281x26 Ø | N(F) | ▲ |
| EVD2-960-1215/628 | 0.96 - 1.215 | 2 | 360 | 80 | Vertical | 292x25 Ø | N(M) | ▲ |
| OA7-1090V/1328 | 0.96 - 1.215 | 7 | 360 | 16.5 | Vertical | 1040x180 Ø | N(F) | ▲ |
| XV07-960-1215/1120 Link16 | 0.96 - 1.215 | 7 | 360 | 16.5 | Vertical | 1029x79 Ø | N(F) | below |
| XPO4-960-1215/1425 Link16 | 0.96 - 1.215 | 4.5 | 360 | 33 | Vertical | 620x79 Ø | N(F) | below |
| OA2-1.0-6.0V/1794 | 1.00 - 6.00 | 1 | 360 | 80 | Vertical | 213x80 Ø | N(F) | |

VOA7-915/151



OA2-0.9-2.2V/1830



SBA-900/1249



EVD2-960-1215/004



EVD2-960-1215/628



OA7-1090V/1328



OMNI - MULTIBAND

| | | | | | | | | |
|------------------------------|-------------|---|-----|-----|----------|------------|--------------------|---|
| OA2-0.1-6.0V/1692 | 0.10 - 0.50 | 0 | 360 | 80 | Vertical | 1250x140 Ø | N(F) x2 | ▲ |
| | 0.50 - 6.00 | | | | | | | |
| DEVD2-900V-1800V-502/605 | 0.88 - 0.96 | 0 | 360 | 75 | Vertical | 87x100 Ø | SMA(F) x2 | |
| | 1.71 - 1.88 | | | | | | | |
| DEVD2-900V-1800V-502-D1/1003 | 0.88 - 0.96 | 0 | 360 | 75 | Vertical | 87x100 Ø | N(F) 0.3m cable x2 | |
| | 1.71 - 1.88 | | | | | | | |
| DEVD2-900V-1800V-502-D2/1004 | 0.88 - 0.96 | 0 | 360 | 75 | Vertical | 87x100 Ø | SMA(F) x2 | |
| | 1.71 - 1.88 | | | | | | | |
| TEVD2-900-1800-2050/1016 | 0.88 - 0.96 | 2 | 360 | 80 | Vertical | 87x100 Ø | SMA(F) x3 | |
| | 1.71 - 1.88 | | | | | | | |
| | 1.92 - 2.17 | | | | | | | |
| 7EVD2-900-5850/1091 | 0.88 - 0.96 | 1 | 360 | 100 | Vertical | 103x220 Ø | SMA(F) x7 | ▲ |
| | 1.71 - 1.88 | | | | | | | |
| | 1.92 - 2.17 | | | | | | | |
| | 2.40 - 2.50 | | | | | | | |
| | 5.25 - 5.85 | | | | | | | |



HEMI OMNI

*All Hemi Omni Antennas feature 360° Azimuth. Elevation measurements are cuts at various positions in the radiation pattern.

| | | | | | | | | |
|---------------------|---------------|-----|-----|-----|----------------|-------------|-----------|---|
| MHA3-402R-S1/007 | 0.40 - 0.404 | 3 | 360 | 160 | Right Circular | 410x108 Ø | N(F) | |
| MHA3-402L/1207 | 0.40 - 0.404 | 3 | 360 | 160 | Left Circular | 410x108 Ø | N(F) | |
| MHA3-406R-S1/979 | 0.404 - 0.408 | 3 | 360 | 160 | Right Circular | 406x108 Ø | N(F) | |
| DHOA2-9-18R-D1/1151 | 0.87 - 0.96 | 4.5 | 360 | 105 | Right Circular | 311x165x121 | SMA(F) x2 | ▲ |
| | 1.71 - 1.88 | 4 | 360 | 140 | | | | |

XV07-960-1215/1120
Link16



XPO4-960-1215/1425
Link16



OA2-0.1-6.0/1692



DHOA2-9-18R-D1/1151



Group 2 - 1GHz to 2GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

DIRECTIONAL

DIRECTIONAL - SINGLE BAND

| | | | | | | | | |
|-----------------------|-------------|-------------------|--------------|----|----------------|----------------|---------------|------------|
| UWBA15300/1221 | 0.15 - 3.00 | Request datasheet | | | Right Circular | 705x671x37 | N(F) | ▲ |
| PSA7530L/1147 | 0.50 - 3.00 | 1 (0.5) | 4 to 6 (1-3) | 70 | 90 | Left Circular | 57x246 Ø | SMA(F) 90° |
| PSA75301R/170 | 0.50 - 3.00 | 1 (0.5) | 4 to 6 (1-3) | 70 | 90 | Right Circular | 57x246 Ø | SMA(F) 90° |
| PSA-50200-LP/1211 | 0.50 - 3.00 | 8 | 70 | 60 | Right Circular | 490x365x30 | N(F) | |
| PSA-50200-LP/1421 | 0.50 - 3.00 | 8 | 70 | 60 | Right Circular | 490x365x31 | N(F) | |
| BDPSA5-50800-D2/1160 | 0.50 - 8.00 | 5 | 80 | 70 | Circular | 488x356x22 | SMA(F) x2 | ▲ |
| BDFPA-0.6-4.0-RL/1313 | 0.60 - 4.00 | 4.5 | 75 | 75 | Circular | 280x227x50 | N(F) 1m cable | ▲ |
| FPA-0.6-6.0R/1562 | 0.60 - 6.00 | 1 to 6 | 70 | 70 | Circular | 50x219 Ø | N(F) | |
| PSA-8025R/707 | 0.80 - 2.50 | 4.5 to 8 | 65 | 65 | Right Circular | 48x220 Ø | N(F) | |
| FPA3-0.8-6.0R/1329 | 0.80 - 6.00 | 4.5 | 80 | 80 | Right Circular | 50x219 Ø | N(F) | |
| FPA3-0.8-6.0L/1812 | 0.80 - 6.00 | 4.5 | 80 | 80 | Left Circular | 50x219 Ø | N(F) | ▲ |
| FPA-0.8-2.2R/1730 | 0.80 - 2.20 | 6.5 | 71 | 73 | Right Circular | 387x235x176 | N(F) | p45 |

UWBA15300/1221



PSA75301R/170



BDPSA-50800-D2/1160



BDFPA-0.6-4.0-RL/1313



FPA3-0.8-6.0L/1812

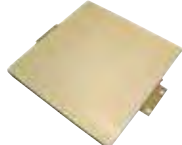


| | | | | | | | | |
|------------------|---------------|------------|----|----|----------------|------------|-----------------|---|
| PSA10401L/1169 | 1.00 - 4.00 | 4 to 6 | 90 | 90 | Left Circular | 42x150 Ø | N(F) | |
| PSA1040R/1366 | 1.00 - 4.00 | -5 to +7.5 | 75 | 75 | Right Circular | 80x100 Ø | SMA(F) | |
| PSA10401R/643 | 1.00 - 4.00 | 4 to 6 | 90 | 90 | Right Circular | 76x150 Ø | N(F) | |
| LR14-SD2-11/531 | 1.05 - 1.20 | 14 | 35 | 35 | Vertical | 399x140x13 | N(F) cable | |
| LPA7-1150R/877 | 1.10 - 1.20 | 7 | 70 | 70 | Right Circular | 23x166 Ø | SMA(F) | ▲ |
| FPA7-1.15R/1754 | 1.125 - 1.175 | 8 | 64 | 65 | Right Circular | 200x200x22 | N(F) | |
| FPA13-12V/308 | 1.13 - 1.23 | 13 | 40 | 40 | Vertical | 334x334x16 | N(F) | ▲ |
| FPA14-12R/792 | 1.198 - 1.258 | 13.75 | 31 | 31 | Right Circular | 419x385x21 | N(F) | |
| LPA7-1250VH/247 | 1.20 - 1.30 | 2 x 7 | 80 | 80 | Dual V&H | 23x158 Ø | SMA(F) x2 | |
| FPA14-13V/430 | 1.24 - 1.34 | 14 | 40 | 40 | Vertical | 334x334x16 | N(F) | |
| LR14-SD2-13/108 | 1.24 - 1.34 | 14 | 35 | 35 | Vertical | 399x140x13 | N(F) 0.3m cable | |
| LPA7-13L/607 | 1.24 - 1.34 | 7 | 80 | 80 | Left Circular | 23x158Ø | SMA(F) | ▲ |
| FPA14-13R/182 | 1.24 - 1.35 | 14 | 40 | 40 | Right Circular | 334x334x16 | N(F) | |
| LPA7X-13R/318 | 1.25 - 1.35 | 7 | 80 | 80 | Right Circular | 31x170 Ø | SMA(F) | |
| LPA7-1350R/878 | 1.30 - 1.40 | 8 | 80 | 70 | Right Circular | 19x166 Ø | SMA(F) | ▲ |
| FPA14-1.4V/1450 | 1.30 - 1.47 | 14 | 40 | 35 | Vertical | 334x334x28 | N(F) | |
| FPA14-1385V/1105 | 1.30 - 1.47 | 14 | 40 | 35 | Vertical | 334x334x27 | N(F) | ▲ |

LPA7-1150R/877



FPA13-12V/308



LPA7-13L/607



LPA7-1350R/878



FPA14-1385V/1105



Catalogue

Group 2 - 1GHz to 2GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-----------------------|------------------|-------------|----------------------|----|----------------|------------------|-----------------|------------|
| FPA14-14R/319 | 1.32 - 1.44 | 14 | 40 | 40 | Right Circular | 334x334x16 | N(F) | |
| LPA7X-14R/317 | 1.32 - 1.44 | 7 | 80 | 80 | Right Circular | 31x170 Ø | SMA(F) | |
| PA5-1360R/1098 | 1.35 - 1.37 | 5 | 80 | 70 | Right Circular | 127x106x11 | SMA(F) | |
| FPA14-1435/169 | 1.35 - 1.52 | 14 | 40 | 40 | Vertical | 334x334x16 | N(F) | above |
| FPA17-1435V/348 | 1.35 - 1.52 | 16 to 17 | 20 | 40 | Vertical | 340x680x23 | N(F) | above |
| FPA17-1435H/349 | 1.35 - 1.52 | 16 to 17 | 20 | 40 | Horizontal | 340x680x23 | N(F) | |
| FPA14-1450R/666 | 1.35 - 1.55 | 14 | 40 | 40 | Right Circular | 334x334x16 | N(F) | |
| LPA7X-1450R/201 | 1.35 - 1.55 | 7 | 80 | 80 | Right Circular | 31x150 Ø | N(F) | ▲ |
| LPA7-1394R/393 | 1.36 - 1.44 | 7 | 80 | 80 | Right Circular | 23x132 Ø | SMA(F) | |
| FPA7-1.4V/1776 | 1.36 - 1.44 | 8 | 80 | 72 | Vertical | 22x132 Ø | N(F) | |
| LPA7-1394V-TNC(F)/501 | 1.36 - 1.44 | 8 | 86 | 72 | Vertical | 23x132 Ø | TNC(F) | |
| LPA7-1394V/285 | 1.36 - 1.44 | 8 | 86 | 72 | Vertical | 23x132 Ø | SMA(F) | |
| LPA7-14V/276 | 1.42 - 1.52 | 7 | 90 | 70 | Vertical | 21x138 Ø | SMA(F) | |
| LPA7-1475RL/1254 | 1.45 - 1.49 | 8.5 | 70 | 60 | Dual Circular | 220x160x20 | N(F) x2 | |

LPA7X-1450R/201



FPA13-16RL/1089



LPA7-1550L-502/960



FPA15-1.6L-GPS/1535



LPA7-1.6L/1405



FPA14-1590L/1265









| | | | | | | | | |
|---------------------|----------------|---------------------|------|------|----------------|------------|--|-------|
| FPA13-15R-D1/1037 | 1.45 - 1.60 | 13 | 35 | 35 | Right Circular | 300x300x19 | N(F) | |
| FPA13-15R/107 | 1.45 - 1.60 | 13 | 35 | 35 | Right Circular | 300x300x19 | N(F) | |
| FPA13-15R-SMA/576 | 1.45 - 1.60 | 13 | 40 | 40 | Right Circular | 300x300x19 | SMA(M) | |
| LPA7-15R-D3/839 | 1.45 - 1.60 | 7 | 80 | 80 | Right Circular | 21x138 Ø | SMA(F) | |
| LPA7-15R/248 | 1.45 - 1.60 | 7 | 80 | 80 | Right Circular | 21x138 Ø | SMA(F) | |
| FPA13-16RL/1089 | 1.45 - 1.66 | 11@1.45 13@1.525 | 35 | 35 | Dual Circular | 300x300x11 | SMA(F) x2 | ▲ |
| PA5-1500R/056 | 1.48 - 1.52 | 5 | 100 | 100 | Right Circular | 110x92x2 | SMA(F) | |
| LPA7-15R-D2/668 | 1.50 - 1.62 | 7 | 80 | 80 | Right Circular | 23x132 Ø | SMA(F) | |
| FPA19-15L/1352 | 1.52 - 1.56 | 17.8 | 20 | 20 | Left Circular | 600x600x18 | N(F) | |
| FPA19-15R/153 | 1.52 - 1.56 | 17.8 | 20 | 20 | Right Circular | 600x600x18 | N(F) | |
| LPA7-1550R-D2/380 | 1.52 - 1.58 | 7 | 80 | 80 | Right Circular | 38x132 Ø | TNC | |
| LPA7-1550L-502/960 | 1.52 - 1.60 | 7 | 80 | 80 | Left Circular | 22x132 Ø | SMA(F) | ▲ |
| LPA7-1550R-502/242 | 1.52 - 1.60 | 7 | 80 | 80 | Right Circular | 22x132 Ø | TNC | |
| FPA14-1.6R/1252 | 1.52 - 1.66 | 14 | 27 | 27 | Right Circular | 380x380x10 | N(F) | |
| FPA15-1.6L-GPS/1535 | 1.52 - 1.66 | >15 | 22 | 32 | Left Circular | 427x317x12 | Sat SMB(M) 0.2m cable GPS SMA(M) 0.2m cable | ▲ |
| LPA7-1.6L/1405 | 1.52 - 1.66 | 6.3 | 71.6 | 72.5 | Left Circular | 22x133 Ø | SMA(M) 2.5m cable | ▲ |
| FPA7-1.6V/1510 | 1.52 - 1.66 | 6.4 | 84 | 65 | Vertical | 120x100x18 | SMA(M) 0.5m cable | above |
| FPA8-1.6RL/1563 | 1.52 - 1.66 | 7 | 67 | 65 | Dual Circular | 22x132 Ø | N(F) x2 | above |
| LPA7X-16R-D1/1049 | 1.52 - 1.66 | 8 | 65 | 70 | Right Circular | 30x170 Ø | N(M) | |
| LPA7-16RL/1311 | 1.52 - 1.66 | 8 | 70 | 70 | Dual Circular | 172x172x18 | SMA(F) x2 | |
| LPA7X-16R-D2/1178 | 1.52 - 1.66 | 8 | 65 | 70 | Right Circular | 30x170 Ø | N(F) | |
| LPA7X-16R/341 | 1.52 - 1.66 | 8 | 65 | 70 | Right Circular | 31x170 Ø | SMA(F) | |
| FPA14-1590L/1265 | 1.525 - 1.6605 | 14 | 27 | 27 | Left Circular | 380x380x10 | N(F) | ▲ |

Group 2 - 1GHz to 2GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|------------------|-------------------|--------------------------------|----------------------|----|----------------|------------------|------------------------|------------|
| FPA17-1.6L/1426 | 1.525 - 1.6605 | 15 | 22 | 22 | Left Circular | 500x500x12 | N(F) Sat TNC(F) GPS | ▲ |
| FPA17-1.6R/1359 | 1.525 - 1.6605 | 17 | 22 | 22 | Right Circular | 500x500x12 | N(F) | |
| FPA21-16L/1258 | 1.525 - 1.6605 | >21 | 11 | 11 | Left Circular | 896x896x16 | N(F) IP65 | |
| FPA21-16R/1127 | 1.525 - 1.6605 | >21 | 11 | 11 | Right Circular | 896x896x16 | N(F) IP65 | ▲ |
| FPA17-16RL/1096 | 1.525 - 1.6605 | Rx15.6, Tx15.9 Rx15.7, Tx16 | 18 | 35 | Dual Circular | 572x305x10 | N(F) x2 | |
| FPA17-16R/1275 | 1.525 - 1.6605 | Rx15.1, Tx15.2 | 22 | 22 | Right Circular | 500x500x12 | N(F) | above |
| FPA17-RBGAN/1281 | 1.525 - 1.6605 | Rx16, Tx16.3 | 17 | 29 | Right Circular | 572x305x10 | N(F) | above |
| FPA11-15L/1023 | 1.57442 - 1.57642 | 12 | 75 | 25 | Left Circular | 360x110x18 | SMA(F) | |
| FPA9-1.7V/1761 | 1.60 - 1.73 | 8.3 | 70 | 54 | Vertical | 22x133 Ø | SMA(F) | |
| FPA13-18R/1523 | 1.60 - 1.95 | 13 | 35 | 35 | Right Circular | 265x265x23 | N(F) | ▲ |
| FPA13-18R/1180 | 1.60 - 1.95 | 13 | 35 | 35 | Right Circular | 265x265x23 | TNC(F) | |

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|------------------|------------------|-------------|----------------------|----|----------------|------------------|--------------------|---|
| FPA17-1.6L/1426 | | | | | | | |  |
| FPA21-16R/1127 | | | | | | | |  |
| FPA13-18R/1523 | | | | | | | |  |
| LPA7-17R/136 | | | | | | | |  |
| FPA5-1.7V/1747 | | | | | | | |  |
| FPA14-1775V/1241 | | | | | | | |  |
| PA5-1660V/1116 | 1.65 - 1.67 | 5 | 90 | 90 | Vertical | 110x100x2 | SMA(F) | |
| LPA7-17R/136 | 1.65 - 1.75 | 7 | 80 | 80 | Right Circular | 16x121 Ø | SMA(F) | ▲ |
| FPA5-1.7V/1747 | 1.67 - 1.69 | 5 | 90 | 84 | Vertical | 2x110 Ø | SMA(M) 0.25m cable | ▲ |
| FPA13-18V-D1/954 | 1.71 - 1.88 | 13 | 40 | 35 | Vertical | 403x225x26 | N(F) 0.5m cable | |
| FPA13-18V/583 | 1.71 - 1.88 | 13 | 40 | 35 | Vertical | 339x225x26 | N(F) 0.3m cable | above |
| FPA14-1.8V/1629 | 1.70 - 1.88 | 15 | 30 | 30 | Vertical | 330x330x28 | N(F) | |
| FPA14-1775V/1241 | 1.70 - 1.88 | 15 | 30 | 30 | Vertical | 330x330x28 | TNC(F) | ▲ |
| FPA16-18R/1144 | 1.71 - 1.88 | 15.5 | 36 | 18 | Right Circular | 546x236x38 | N(F) | ▲ |
| FPA16-18V/923 | 1.71 - 1.88 | 16 | 18 | 36 | Vertical | 546x236x38 | N(F) | ▲ |
| LPA7-18V-503/656 | 1.71 - 1.88 | 7 | 80 | 80 | Vertical | 23x132 Ø | N(F) 0.3m cable | |
| LPA7-18V-D1/658 | 1.71 - 1.88 | 7 | 80 | 80 | Vertical | 23x132 Ø | SMA(F) 1m cable | |
| FPA9-1.8V/9002 | 1.71 - 1.88 | 8 | 73 | 62 | Vertical | 22x132 Ø | SMA(F) | |
| LPA7-1800V/1226 | 1.71 - 1.88 | 9.2 | 70 | 60 | Vertical | 170x170x27 | SMA(F) | ▲ |
| LPA7-18V-502/451 | 1.71 - 1.88 | 7 | 60 | 80 | Vertical | 22x132 Ø | SMA(F) | ▲ |
| LPA7-18V/132 | 1.70 - 1.90 | 7 | 60 | 80 | Vertical | 16x121 Ø | SMA(F) | ▲ |
| LPA7-18R/421 | 1.72 - 1.82 | 7.5 to 8 | 75 | 75 | Right Circular | 17x121 Ø | SMA(F) | ▲ |
| FPA8-1.9V/1762 | 1.84 - 1.99 | 9.1 | 70 | 54 | Vertical | 170x170x27 | SMA(F) | |
| FPA13-19V-D1/670 | 1.85 - 2.00 | 13 | 40 | 40 | Vertical | 334x334x16 | SMA(F) 90° | |

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|------------------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|---|
| FPA16-18R/1144 | | | | | | | |  |
| FPA16-18V/923 | | | | | | | |  |
| LPA7-1800V/1226 | | | | | | | |  |
| LPA7-18V-502/451 | | | | | | | |  |
| LPA7-18V/132 | | | | | | | |  |
| LPA7-18R/421 | | | | | | | |  |

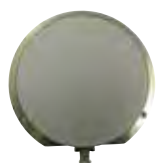
Catalogue

Group 2 - 1GHz to 2GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|------------------|------------------|-------------|----------------------|------|-----------------|------------------|-------------------------|------------|
| FPA13-19V/229 | 1.85 - 2.00 | 13 | 40 | 40 | Vertical | 334x334x16 | N(F) | |
| LPA7-19V/252 | 1.85 - 2.00 | 7 | 80 | 80 | Vertical | 17x121 Ø | SMA(F) | |
| DLPA5-1945R/1202 | 1.89 - 1.99 | 4.8 | 62.5 | 53.3 | Right Circular | 286x160x24 | SMA(M), 5m cable x2 | |
| FPA12-2.1V/1924 | 1.90 - 2.30 | 13.5 | 35 | 35 | Vertical | 240x240x29 | N(F) | |
| LPA7-2.1R/1710 | 1.90 - 2.30 | 7 | 75 | 75 | Right Circular | 17x122 Ø | N(F) | |
| LPA7-2.1R/1388 | 1.90 - 2.30 | 7 | 75 | 75 | Right Circular | 17x121 Ø | SMA(F) | above |
| LPA7-2.1R/422 | 1.90 - 2.30 | 7.7 | 78 | 70 | Right Circular | 17x121 Ø | SMA(F) | ▲ |
| FPA7-2.0DS/1652 | 1.92 - 2.17 | 7.5 | 65 | 65 | Dual slant ±45° | 99x99x15 | SMA() 90° 0.3m cable x2 | ▲ |

LPA7-2.1R/422



FPA7-2.0DS/1652



FPA7-2.0DS/1750



DLPA7-2050-DS45/1107



LPA7-2050V/912



FPA13-2050R/1056



| | | | | | | | | |
|----------------------|--------------|-----|----|----|-----------------|------------|-------------------|---|
| FPA9-2.0V/9003 | 1.92 - 2.17 | 8.6 | 70 | 60 | Vertical | 22x132 Ø | SMA(F) | |
| FPA7-2.0DS/1750 | 1.92 - 2.175 | 6 | 65 | 65 | Dual slant ±45° | 99x99x15 | QMA x2 | ▲ |
| FPA7-2.0DS/1824 | 1.92 - 2.175 | 6 | 65 | 65 | Dual slant ±45° | 99x99x15 | QMA 90° x2 | |
| FPA7-2.0DS/1825 | 1.92 - 2.175 | 6 | 65 | 65 | Dual slant ±45° | 99x99x15 | QMA x2 | |
| DLPA7-2050-DS45/1107 | 1.92 - 2.175 | 7.5 | 65 | 65 | Dual slant ±45° | 100x100x9 | SMA(M) 90° x2 | ▲ |
| LPA7-2050V/912 | 1.92 - 2.175 | 7.8 | 70 | 60 | Vertical | 22x132 Ø | SMA(M) 0.5m cable | ▲ |
| FPA13-2050R/1056 | 1.99 - 2.11 | 10 | 50 | 40 | Right Circular | 195x163x11 | SMA(F) | ▲ |

DIRECTIONAL - MULTIBAND







| | | | | | | | | |
|-----------------------|---------------|-----|----|----|----------------|------------|--------------------------|---|
| DLPA4-850R-1945R/1071 | 0.80 - 0.89 | 4 | 80 | 60 | | | | |
| | 1.89 - 1.99 | 5 | 60 | 45 | Right Circular | 286x160x24 | SMA(M)90° 3m cable x2 | |
| DLPA5-850R-1945R/1070 | 0.80 - 0.89 | 6 | 80 | 60 | | | | |
| | 1.89 - 1.99 | 8 | 60 | 45 | Right Circular | 286x160x24 | SMA(M) 90° 0.3m cable x2 | |
| DLPA5-850R-1945R/1189 | 0.805 - 0.895 | | 80 | 60 | | | | |
| | 1.895 - 1.99 | 4 | 60 | 45 | Right Circular | 286x160x24 | SMA(M) 5m cable x2 | |
| DLPA4-850R-1945R/1216 | 0.805 - 0.895 | 3 | 80 | 60 | | | | |
| | 1.895 - 1.99 | 3.5 | 60 | 45 | Right Circular | 286x160x24 | SMA(M)90° 5m cable x2 | |
| DLPA7-892R-1850R/1522 | 0.82 - 0.96 | | 75 | 65 | | | | |
| | 1.71 - 1.99 | 8 | 53 | 53 | Right Circular | 298x198x25 | N(F) x2 | |
| DFPA9-0.9L-1.9L/1823 | 0.824 - 0.96 | | 67 | 55 | | | | |
| | 1.71 - 1.99 | 8.5 | 60 | 43 | Left Circular | 359x246x25 | N(F) x2 | ▲ |

DFPA9-0.9L-1.9L/1823



Group 2 - 1GHz to 2GHz







Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ | | | |
|-----------------------------|--|------------------------------|--|-----------------------------|--|----------------------------------|---|--------------------------|--|----------------------|--|
| DLPA7-892R-1850R/1290 | 0.824 - 0.96 1.71 - 1.99 | 8 | 75 53 | 65 53 | Right Circular | 298x198x25 | SMA(F) x2 | above | | | |
| DFPA9-0.9L-1.9L/1591 | 0.824 - 0.96 1.71 - 1.99 | 8.5 | 71 54 | 63 44 | Left Circular | 300x240x22 | N(F) x2 | | | | |
| DLPA4-915R-1800R/936 | 0.87 - 0.96 1.71 - 1.88 | 4 5.2 | 80 60 | 60 50 | Right Circular | 286x160x24 | SMA(M) 5m cable x2 | ▲ | | | |
| DLPA4-915R-1800R/1215 | 0.87 - 0.96 1.71 - 1.88 | 4 5.2 | 80 60 | 60 50 | Right Circular x2 | 286x160x24 | SMA(M) 5m cable x2 | ▲ | | | |
| DLPA4-915R-1800R/936 |  | DLPA4-915R-1800R/1215 |  | DLPA5-915R-1800R/880 |  | DLPA7-915R-1800R-TNC/1136 |  | FPA-0.8-2.2R/1730 |  | FPA6-TRI/1671 |  |
| LPA7-900-1800-DF/1408 | 0.88 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(F) x2 | | | | |
| LPA7-900-1800-DF/629 | 0.88 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(F) x2 | | | | |
| LPA7-900-1800-DF2/900 | 0.87 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | N(F) 0.3m cable x2 | | | | |
| LPA7-900-1800-FL/654 | 0.88 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(M) 0.3m cable | | | | |
| LPA7-900-1800-NF/694 | 0.88 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | N(F) 0.3m cable | | | | |
| LPA7-900V-1800V/609 | 0.88 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | N(F) | | | | |
| LPA7-900-1800-DF-FL/653 | 0.88 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(M) 0.3m cable x2 | | | | |
| LPA7-900V-1800V-P1/604 | 0.88 - 0.96 1.71 - 1.88 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(F) | | | | |
| DLPA5-915R-1800R/1217 | 0.87 - 0.96 1.71 - 1.88 | 6.4 8.5 | 80 60 | 60 50 | Right Circular | 286x160x24 | SMA(M) 0.3m cable x2 | | | | |
| DLPA5-915R-1800R/880 | 0.87 - 0.96 1.71 - 1.88 | 6.4 8.5 | 80 60 | 60 50 | Right Circular | 286x160x24 | SMA(M) 0.3m cable x2 | ▲ | | | |
| DLPA7-915R-1800R-TNC/1136 | 0.87 - 0.96 1.71 - 1.88 | 7.9 8.9 | 80 55 | 70 70 | Right Circular | 256x175x24 | TNC(F) TNC(M) | ▲ | | | |
| FPA-0.8-2.2R/1730 | 0.8 - 2.20 | 6.5 | 71 | 73 | Right Circular | 387x235x176 | N(F) | ▲ | | | |
| LPA7-TRI-FL-D1/768 | 0.87 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(M) 1m LSHJ cable x3 | | | | |
| FPA6-TRI/1671 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 79 | 57 | Vertical | 339x225x25 | SMA(F) 2.75m LSHJ cables x3 | ▲ | | | |
| LPA6-TRI-FL-D4/957 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(F) 2m LSHJ cable x3 | above | | | |

Catalogue

Group 2 - 1GHz to 2GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az° el° | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---|---|---|---|---|---|------------------|----------------------------|------------|
| LPA7-TRI-COM/684 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 7 | 75 | 60 | Vertical | 339x225x42 | SMA(F) | above |
| LPA7-TRI-FL-D3/956 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 7 | 80 | 80 | Vertical | 339x225x25 | SMA(F) 1m LSZHJ cable x3 | |
| LPA7-TRI-SMA/651 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(F) x3 | ▲ |
| LPA7-TRI-FL-D2/1005 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 80 | 80 | Vertical | 339x225x25 | N(F) 0.3m cable LSZHJ x3 | ▲ |
| LPA6-TRI-FL-D2/955 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(M) 2m LSZHJ cable x3 | |
| LPA7-TRI-FL/652 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(M) 0.3m LSZHJ cable x3 | |
| FPA7-TRI-R/1589 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 8.5 | 70 | 60 | Right Circular | 339x225x25 | N(F) x3 | ▲ |
| LPA7-TRI-COM/684 | LPA7-TRI-SMA/651 | LPA7-TRI-FL-D2/1005 | FPA7-TRI/1589 | 4DLPA7-13V-29V/1417 | LPA7-1.6L-GPS/1459 | | | |
|  |  |  |  |  |  | | | |
| FPA7-TRI-R/1873 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 8.5 | 70 | 60 | Right Circular | 339x225x25 | N(F) x3 | |
| FPA7-TRI-R/1695 | 0.88 - 0.98 1.71 - 1.88 1.92 - 2.175 | 8.5 | 70 | 60 | Right Circular | 358x246x25 | N(F) x3 | |
| LPA7-TRI-DS2450-DS5500/1090 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 2.40 - 2.50 5.25 - 5.85 | 7 | 60 | 60 | Vertical Vertical Dual ±45° Dual ±45° Dual ±45° | 339x225x42 | SMA(F) x7 | |
| 4DLPA7-13V-29V/1417 | 1.25 - 1.35 2.70 - 3.10 | 8.5 | 78.5 | 65 | Vertical | 650x225x20 | SMA(F) x8 | ▲ |
| LPA7-1.6L-GPS/1459 | 1.52 - 1.66 1.62 - 1.66 1.56 - 1.59 | 7 7 32 | 70 70 70 | 70 70 74 | Left Circular Left Circular Right Circular | 37x132 Ø | N(F) x 2 | ▲ |

Group 2 - 1GHz to 2GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-----------------------|----------------------------|-------------|----------------------|----------|----------------|------------------|--------------------|------------|
| FPA13-1800V-2050V/767 | 1.71 - 1.88 1.92 - 2.17 | 12 | 35 | 35 | Vertical | 464x250x25 | SMA(M) 1m cable x2 | ▲ |
| DFPA15-1.8R-2.5R/1391 | 1.79 - 1.87 2.48 - 2.58 | 14 | 30 | 30 | Right Circular | 600x350x27 | N(F) x2 | ▲ |
| FPA8-2.4R-5.5R/1893 | 2.40 - 2.50 5.10 - 5.90 | 7.4 10 | 88 40 | 72 43 | Right Circular | 168x85x15 | N(F) x2 | ▲ |

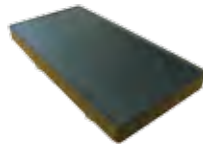
FPA13-1800V-2050V/767



DFPA15-1.8R-2.5R/1391



FPA8-2.4R-5.5R/1893



DIRECTIONAL - HELIX

| | | | | | | | | |
|------------------|-------------|----------|----|----|----------------|------------|--------|-------|
| AMHH8-13R/030 | 1.00 - 1.40 | 8 to 10 | 60 | 60 | Right Circular | 365x156 Ø | N(F) | |
| AMHP13-13L/909 | 1.00 - 1.50 | 13 | 40 | 40 | Left Circular | 757x188 Ø | N(F) | |
| AMHP13-13R/045 | 1.00 - 1.50 | 13 | 40 | 40 | Right Circular | 758x74 Ø | N(F) | ▲ |
| AMHP10-15R/390 | 1.30 - 1.70 | 10 | 50 | 50 | Right Circular | 496x156 Ø | N(F) | |
| AMHH10-15R/008 | 1.30 - 1.70 | 10 to 13 | 40 | 40 | Right Circular | 358x155 Ø | N(F) | above |
| AMHS14-15L/1186 | 1.30 - 1.70 | 13 to 15 | 35 | 35 | Left Circular | 665x80 Ø | N(F) | |
| AMHS14-15R/028 | 1.30 - 1.70 | 13 to 15 | 35 | 35 | Right Circular | 665x80 Ø | N(F) | |
| AMH16-16L-02/855 | 1.52 - 1.66 | 16 | 30 | 30 | Left Circular | 1005x155 Ø | N(F) | |
| AMH16-16R-02/082 | 1.52 - 1.66 | 16 | 30 | 30 | Right Circular | 1040x156 Ø | N(F) | ▲ |
| AMH12-2.1R/1672 | 1.70 - 2.50 | 10.7 | 35 | 35 | Right Circular | 364x127 Ø | TNC(F) | |
| AMH12-2.1R/1188 | 1.70 - 2.50 | 10.7 | 35 | 35 | Right Circular | 381x127 Ø | TNC(F) | ▲ |

AMHP13-13R/045



AMH16-16R-02/082



AMH12-2.1R/1188



Catalogue

Group 2 - 1GHz to 2GHz

Sector

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

SECTOR

| | | | | | | | | |
|---------------------------------|--------------|------|-------------------|-----|----------|------------|--------------------|---|
| SA9-180-0.96-1.22V/1814 Link16 | 0.96 - 1.215 | 9 | 180 | 20 | Vertical | 1228x250 Ø | N(F) | ▲ |
| SA13-120-0.96-1.22V/1694 Link16 | 0.96 - 1.22 | 13 | 110 | 9 | Vertical | 1650x155 Ø | N(F) | |
| HDA-1.3V/1880 blade | 1.00 - 1.50 | 0-1 | Request datasheet | | Vertical | 35x25 | SMA(M) 0.5 cable | ▲ |
| SA13-60-1.03V/1416 | 1.03 ±25MHz | 13.4 | 76 | 18 | Vertical | 870x217x25 | N(F) | |
| HDA-1.2V/1545 blade | 1.15 - 1.26 | 1.3 | 120 | 100 | Vertical | 82x38x47 | SMA(M) 0.25m cable | ▲ |
| SA11-100-1.3V/1607 | 1.15 - 1.40 | 10 | 108 | 24 | Vertical | 694x95 Ø | TNC(F) | |
| SA11-120-1.3V/1384 | 1.15 - 1.40 | 11.5 | 120 | 16 | Vertical | 870x98 Ø | N(F) | ▲ |
| SA11-120-1.3V/1733 | 1.15 - 1.40 | 11.5 | 120 | 16 | Vertical | 870x98 Ø | TNC(F) | |

HDA-1.3V/1880



SA9-180-0.96-1.22V/1814



HDA-1.2V/1545



SA11-120-1.3V/1384



SA9-120-1.3V/1560



HDA-1275/1561



| | | | | | | | | |
|--------------------------|--------------|------|-----|-----|----------------|-------------|------------------------|-------|
| SA9-120-1.3V/1560 | 1.15 - 1.45 | 9 | 120 | 36 | Vertical | 490x98 Ø | TNC(F) | ▲ |
| SA9-200-1.3V/1578 | 1.15 - 1.45 | 9 | 200 | 18 | Vertical | 870x98 Ø | TNC(F) | |
| HDA-1275/1561 blade | 1.20 - 1.35 | 4 | 75 | 175 | Horizontal | 120x75x2 | TNC(M) 1m LMR195 cable | ▲ |
| HDA-1275/1148 blade | 1.20 - 1.35 | 4 | 75 | 175 | Horizontal | 120x74x1 | SMA(M) 90° | ▲ |
| HDA-1275/1274 blade | 1.20 - 1.35 | 4 | 75 | 175 | Horizontal | 120x74x1 | SMA(M) 90° | |
| SA9-120-1.3V/1445 | 1.20 - 1.45 | 9 | 120 | 36 | Vertical | 490x98 Ø | N(M) | ▲ |
| SA10-13R/126 | 1.24 - 1.34 | 10 | 80 | 40 | Right Circular | 290x126x23 | SMA(F) | |
| HDA-1.3V/1632 blade | 1.26 - 1.40 | 2 | 170 | 80 | Vertical | 82x38x47 | SMA(M) 0.3mm cable | ▲ |
| HDA-1.3V/1488 blade | 1.26 - 1.40 | 5 | 120 | 70 | Vertical | 81x37x46 | SMA(M) | ▲ |
| HDA-1394-SMA/903 blade | 1.35 - 1.43 | 2 | 360 | 80 | Vertical | 82x38x44 | SMA(M) 0.68m cable | |
| HDA-1394-SMA90/785 blade | 1.35 - 1.43 | 2 | 360 | 80 | Vertical | 82x38x44 | SMA(M) 90° 0.14m cable | |
| DHDA-1.4V/1680 | 1.35 - 1.45 | 1 | 160 | 80 | Vertical | 81x46 | SMA(M) | |
| DHDA-1.4V/1816 | 1.35 - 1.45 | 1 | 160 | 80 | Vertical | 81x46, x2 | SMA(M) 0.65m cable | |
| SA12-80-1.4V/1716 | 1.35 - 1.45 | 11.5 | 79 | 27 | Vertical | 450x160x11 | N(M) | ▲ |
| SA12-80-1.2V/1896 | 1.35 - 1.45 | 11.5 | 79 | 27 | Vertical | 450x160x11 | N(M) | above |
| SA10-90-1.4V/1250 | 1.35 - 1.525 | 9.5 | 89 | 35 | Vertical | 370x360x156 | N(F) | ▲ |

HDA-1275/1148



SA9-120-1.3V/1445



HDA-1.3V/1632



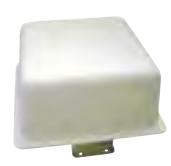
HDA-1.3V/1488



SA12-80-1.4V/1716









SA10-90-1.4V/1250



| | | | | | | | | |
|--------------------|-------------|-------|----|----|----------------|------------|--------------------|--|
| SA10-1394R-701/412 | 1.39 - 1.40 | 10 | 70 | 40 | Right Circular | 399x140x14 | SMA(M) 0.5m cable | |
| SA10-1394V-701/582 | 1.39 - 1.40 | 10.25 | 75 | 35 | Vertical | 399x140x14 | TNC(M) 0.5mm cable | |
| SA10-70-1.4V/1506 | 1.39 - 1.40 | 10.25 | 75 | 35 | Vertical | 399x140x14 | N(F) | |
| SA10-1394V-701/413 | 1.39 - 1.40 | 10.25 | 76 | 33 | Vertical | 399x140x14 | SMA(M) 0.5 cable | |
| SA10-15R/221 | 1.40 - 1.50 | 10 | 80 | 40 | Right Circular | 272x126x21 | N(F) | |
| SA13-15L/965 | 1.40 - 1.50 | 13 | 80 | 20 | Left Circular | 532x126x21 | N(F) | |

Group 2 - 1GHz to 2GHz

Sector

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---|---|---|---|---|---|------------------|----------------------|------------|
| SA13-15R/212 | 1.40 - 1.50 | 13 | 80 | 20 | Right Circular | 532x126x21 | N(F) | |
| SA16-15R/512 | 1.42 - 1.55 | 16 | 60 | 10 | Right Circular | 1154x191x15 | SMA(F) | |
| SA12-120-1.7V/1609 | 1.50 - 1.80 | 11.4 | 112 | 16.9 | Vertical | 870x98 Ø | TNC(F) | ▲ |
| SA9-200-1.7V/1897 | 1.50 - 1.80 | 9 | 200 | 17 | Vertical | 870x98 Ø | TNC(F) | |
| HDA-1.6V/1682 blade | 1.55 - 1.70 | 3.5 | 123 | 70 | Vertical | 81x37x46 | SMA(M) 0.25m cable | |
| SA11-18R-702/340 | 1.71 - 1.88 | 10 | 70 | 30 | Right Circular | 399x140x14 | N(M) 0.5m cable | |
| SA10-18V-502/289 | 1.71 - 1.88 | 10 | 80 | 40 | Vertical | 300x246x20 | N(M) 90° 0.55m cable | |
| SA10-18V/181 | 1.71 - 1.88 | 10 | 80 | 40 | Vertical | 286x117x21 | N(F) | ▲ |
| SA11-18R/665 | 1.71 - 1.88 | 11 | 75 | 25 | Right Circular | 399x140x14 | N(F) cable | |
| SA16-18-DS45/973 | 1.71 - 1.88 | 15 | 70 | 9 | Dual ±45° | 1053x126x26 | 716(F) x2 | |
| HDA-1800-502-D2/655 blade | 1.71 - 1.88 | 3 | 140 | 70 | Mixed | 90x46x45 | N(F) 0.5m cable | |
| HDA-1800-502-D4/1002 blade | 1.71 - 1.88 | 3 | 140 | 70 | Vertical | 90x46x45 | N(F) 0.3m cable | |
| HDA-1800-502-D3/1001 blade | 1.71 - 1.88 | 3 | 142 | 72 | Vertical | 90x46x44 | N(F) 0.3m cable | |
| SA12-120-1.7V/1609 | SA10-18V/181 | SA11-120-1940V/1027 | SA11-18R-701/254 | SA17-18DS-45/345 | HDA-1800-502/381 | | | |
|  |  |  |  |  |  | | | |
| SA10-18V/382 | 1.71 - 1.88 | 10 | 70 | 40 | Vertical | 399x140x13 | N(F) 0.5m cable | |
| SA11-18R-701/254 | 1.71 - 1.88 | 11 | 75 | 25 | Right Circular | 399x140x13 | N(M) 90° cable | ▲ |
| SA17-18DS-45/345 | 1.71 - 1.88 | 16.5 | 65 | 8 | Dual ±45° | 1100x200x15 | 716(F) x2 | ▲ |
| SA17-18V/417 | 1.71 - 1.88 | 17 | 70 | 9 | Vertical | 1204x140x21 | N(F) | |
| HDA-1800-502/381 blade | 1.71 - 1.88 | 3 | 142 | 72 | Mixed | 90x46x44 | N(F) 0.5m cable | ▲ |
| HDA-1800-2050/769 blade | 1.71 - 1.88 1.92 - 2.175 | 2 | 140 | 70 | Dual V&H | 180x46x43 | SMA(M) 1m cable x2 | |
| HDA-1.9V/1797 blade | 1.71 - 2.17 | 0 to 1 | | | Vertical | 35x45 | SMA(M) | |
| SA2-120-1940V/1027 | 1.71 - 2.17 | 4 | 140 | 80 | Vertical | 114x44x71 | N(F) 1m cable | above |
| SA11-19R-702/351 | 1.85 - 1.99 | 11 | 70 | 30 | Right Circular | 399x140x14 | N(M) cable | |
| SA16-19V/230 | 1.85 - 1.99 | 16 | 75 | 10 | Vertical | 782x150x20 | N(F) | above |
| SA18-30-19V/499 | 1.85 - 1.99 | 19 | 30 | 8 | Vertical | 1050x374x15 | N(F) | |
| SA10-19V-701/434 | 1.88 - 1.90 | 10 | 75 | 32 | Vertical | 399x140x14 | N(M) cable | |
| SA10-40-1910V/471 | 1.89 - 1.92 | 10 | 50 | 85 | Vertical | 399x140x14 | TNC(F) | |
| SA13-2050V/496 | 1.92 - 2.175 | 12 | 70 | 20 | Vertical | 399x140x14 | N(F) 1.2m cable | above |
| HDA-2050-D2/1030 blade | 1.92 - 2.175 | 4.5 | 150 | 80 | Vertical | 90x46x44 | SMA(M) 0.5m cable | |
| HDA-2050/913 blade | 1.92 - 2.175 | 4.5 | 150 | 80 | Vertical | 90x46x44 | SMA(M) 0.5m cable | above |

MULTI-SECTOR

| | | | | | | | |
|----------------|---------------|--------------|----|------|----------------|-----------|--------|
| MSA5-1400/1131 | 1.31 - 1.43 | 12 sector | 88 | 19 | Vertical | 735x197 Ø | SMA(F) |
| | | 6.5 overhead | 57 | 56 | Right Circular | | |
| MSA5-1.4V/1782 | 1.395 - 1.525 | 11.5 sector | 80 | 19 | Vertical | 758x197 Ø | SMA(F) |
| | | 4.4 overhead | 87 | 87 | Right Circular | | |
| MSA5-1.5V/1645 | 1.43 - 1.52 | 12 sector | 84 | 17.6 | Vertical | 733x197 Ø | SMA(F) |
| | | 7.5 overhead | 66 | 67 | Right Circular | | |

Catalogue

Group 2 - 1GHz to 2GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

OMNI

OMNI - SINGLE BAND including ULTRA WIDEBAND and BLADE

| | | | | | | | | |
|-----------------------|--------------|--------|-----|----|----------|-----------|------|---|
| OA2-0.3-10.0V/1667 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1668 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1505 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| XPO3V-500-1300-LP/586 | 0.50 - 1.30 | 1 to 2 | 360 | 80 | Vertical | 275x108 Ø | N(F) | |
| XPO2V-500-1300/1351 | 0.50 - 1.30 | 1 to 2 | 360 | 80 | Vertical | 326x108 Ø | N(F) | ▲ |

XPO2V-500-1300/1351



XPO3V-500-1300/034



OA2-0.85-6.0V/1699



OA2-0.9-2.2V/1830



XPO2V-880-2175/1060



XPO2V-880-2175/1321



| | | | | | | | | |
|---------------------------|--------------|--------|-----|------|----------|------------|--------|---------|
| XPO3V-500-1300/034 | 0.50 - 1.30 | 1 to 2 | 360 | 80 | Vertical | 333x108 Ø | N(F) | ▲ |
| OA2-0.8-6.0V/1665 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| OA2-0.8-6.0V/1666 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| XPO2V-0.8-6.0-GF/1441 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| XPO2V-0.8-6.0/1485 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x79 Ø | N(F) | above |
| OA2-0.85-6.0V/1699 | 0.84 - 6.00 | 1 | 360 | 60 | Vertical | 170x60 Ø | N(F) | ▲ |
| XPO2V-880-2175/1355 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 221x50 Ø | N(F) | above |
| XPO2V-880-2175/1350 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 345x36 Ø | N(F) | |
| OA2-0.9-2.2V/1830 | 0.88 - 2.175 | 2 | 360 | 50 | Vertical | 262x31 Ø | QN(M) | ▲ |
| OA2-0.8-2.2V/1726 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 345x36 Ø | N(F) | |
| XPO2V-880-2175/1060 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 221x50 Ø | N(F) | ▲ |
| XPO2V-880-2175/1321 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 221x50 Ø | N(F) | ▲ |
| EVD2-960-1215/004 | 0.96 - 1.215 | 2 | 360 | 80 | Vertical | 281x26 Ø | N(F) | ▲ |
| EVD2-960-1215/628 | 0.96 - 1.215 | 2 | 360 | 80 | Vertical | 292x25 Ø | N(M) | ▲ |
| OA7-1090V/1328 | 0.96 - 1.215 | 7 | 360 | 16.5 | Vertical | 1040x180 Ø | N(F) | ▲ |
| XV07-960-1215/1120 Link16 | 0.96 - 1.215 | 7 | 360 | 16.5 | Vertical | 1029x79 Ø | N(F) | page 40 |
| XPO4-960-1215/1425 Link16 | 0.96 - 1.215 | 4.5 | 360 | 33 | Vertical | 620x79 Ø | N(F) | page 40 |
| OA1-1.3V/1834 | 1.00 - 1.50 | 1.7 | 360 | 80 | Vertical | 73x14 Ø | SMA(M) | ▲ |
| OA1-1.5V/1630 | 1.00 - 2.00 | 2.7 | 360 | 67 | Vertical | 70x195 Ø | SMA(F) | ▲ |
| OA2-1.0-6.0V/1794 | 1.00 - 6.00 | 1 | 360 | 80 | Vertical | 213x80 Ø | N(F) | ▲ |
| XPO2V-1.0-6.0/1442 | 1.00 - 6.00 | 2 | 360 | 70 | Vertical | 134x80 Ø | N(F) | above |
| XPO2V-1.0-6.0/1512 | 1.00 - 6.00 | 2 | 360 | 70 | Vertical | 134x80 Ø | N(F) | above |
| VOA5-1030-UT12/1327 | 1.02 - 1.04 | 5 | 360 | 41 | Vertical | 663x57 Ø | N(F) | |

EVD2-960-1215/004



EVD2-960-1215/628



OA7-1090V/1328



OA1-1.3V/1834



OA1-1.5V/1630















OA2-1.0-6.0V/1794



Group 2 - 1GHz to 2GHz







Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---|---|---|---|---|---|------------------|-----------------|------------|
| OA1-1.0V/1656 | 1.03 - 1.09 | 1.5 | 360 | 88 | Vertical | 68x16 Ø | BNC(M) | ▲ |
| OA2-1.3V/1430 | 1.05 - 1.56 | 2 | 360 | 80 | Vertical | 185x32 Ø | TNC(F) | ▲ |
| VOA7-1090-UT2/1227 | 1.06 - 1.12 | 7 | 360 | 19 | Vertical | 1048x50 Ø | N(F) | |
| VOA4-1090-UT15-ZF/262 | 1.08 - 1.10 | 4 | 360 | 40 | Vertical | 608x57 Ø | N(F) | ▲ |
| VOA5-1090-UT12-FT/1292 | 1.08 - 1.10 | 5.7 | 360 | 36.5 | Vertical | 634x60 Ø | TNC(F) | ▲ |
| EVD2-1080-1320-TNC-D1/698 | 1.08 - 1.32 | 2 | 360 | 80 | Vertical | 292x16 Ø | TNC(M) | |
| EVD2-1080-1320-TNC/562 | 1.08 - 1.32 | 2 | 360 | 80 | Vertical | 292x15 Ø | TNC(M) | |
| EVD2-1.2V/1742 | 1.15 - 1.27 | 2 | 360 | 70 | Vertical | 250x45 Ø | N(F) | |
| SBA-1.3V/1885 blade | 1.15 - 1.35 | 0.2 | 360 | 70 | Vertical | 53x25, 44 Ø | TNC(F) | |
| OA2-1.3V/1843 | 1.15 - 1.40 | 1.7 | 360 | 70 | Vertical | 217x28 Ø | TNC(M) | |
| OA2-1.3V/1346 | 1.15 - 1.40 | 2 | 360 | 70 | Vertical | 185x32 Ø | TNC(F) | |
| OA4-1.3V/1536 | 1.15 - 1.40 | 3.8 | 360 | 36.5 | Vertical | 380x25 Ø | TNC(M) | ▲ |
| OA4-1.3V/1731 | 1.15 - 1.40 | 3.8 | 360 | 36.5 | Vertical | 384x45 Ø | N(F) | ▲ |
| OA1-1.3V/1656 | OA2-1.3V/1430 | VOA4-1090-UT15-ZF/262 | VOA5-1090-UT12-FT/1292 | OA4-1.3V/1536 | OA4-1.3V/1731 | | | |
|  |  |  |  |  |  | | | |
| OA4-1.3V/1822 | 1.15 - 1.40 | 3.8 | 360 | 36.5 | Vertical | 383x27 Ø | N(M) | |
| XPO2V-1150-1650/1036 | 1.15 - 1.65 | 2 | 360 | 70 | Vertical | 250x25 Ø | N(M) | ▲ |
| SVD2-1200/845 | 1.17 - 1.23 | 2 | 360 | 80 | Vertical | 207x12 Ø | SMA(M) | |
| VOA4-1270/037 | 1.22 - 1.32 | 4 | 360 | 40 | Vertical | 608x57 Ø | N(F) | ▲ |
| SVD2-1270/074 | 1.24 - 1.30 | 2 | 360 | 80 | Vertical | 212x20 Ø | N(M) | |
| EVD2-1300-N(M)/1214 | 1.24 - 1.34 | 2 | 360 | 80 | Vertical | 240x26 Ø | N(M) | |
| EVD2-1300/018 | 1.24 - 1.34 | 2 | 360 | 80 | Vertical | 241x26 Ø | N(F) | |
| SVD2-1300/137 | 1.24 - 1.34 | 2 | 360 | 80 | Vertical | 158x12 Ø | SMA(M) | ▲ |
| EVD2-1300-short/019 | 1.24 - 1.38 | 2 | 360 | 80 | Vertical | 170x26 Ø | N(F) | |
| SVD2-1297-TNC(M)90/502 | 1.247 - 1.347 | 2 | 360 | 80 | Vertical | 160x15 Ø | TNC(M) 90° | above |
| SVD2-1300-HDSMA/321 | 1.25 - 1.35 | 2 | 360 | 80 | Vertical | 155x12 Ø | SMA(M) | |
| SVD2-1.3V/1724 | 1.25 - 1.40 | 2 | 360 | 80 | Vertical | 184x16 Ø | SMA(M) 90° | |
| OA8-1.3V/1835 | 1.25 - 1.40 | 8 | 360 | 12.5 | Vertical | 1280x57 Ø | N(F) | |
| EVD2-1300/1395 | 1.27 - 1.35 | 2 | 360 | 70 | Vertical | 220x45 Ø | N(F) | ▲ |
| SVD2-1.4V/1396 | 1.29 - 1.41 | 2 | 360 | 80 | Vertical | 175x12 Ø | SMA(M) | |
| SVD2-1350-TNC(M)90/1424 | 1.30 - 1.40 | 2 | 360 | 80 | Vertical | 166x11 Ø | TNC(M) 90° | |
| RCO3-1394/394 | 1.30 - 1.45 | 3 | 360 | 80 | Right Circular | 179x115 Ø | SMA(M) | ▲ |
| SBA-1.4V/1765 blade | 1.31 - 1.49 | 0 | 360 | 90 | Vertical | 30x2x120 | SMA(F) | |
| SVD2-1380-HDSMA/320 | 1.32 - 1.44 | 2 | 360 | 80 | Vertical | 153x11 Ø | SMA(M) | ▲ |
| XPO2V-1150-1650/1036 | VOA4-1270/037 | SVD2-1300/137 | EVD2-1300/1395 | RCO3-1394/394 | SVD2-1380-HDSMA/320 | | | |
|  |  |  |  |  |  | | | |

Catalogue

Group 2 - 1GHz to 2GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---|---|---|---|---|---|-------------------------|-----------------|------------|
| VOA7-1373/1088 | 1.33 - 1.41 | 7 | 360 | 20 | Vertical | 755x57 Ø | N(F) | |
| VOA7-1373/361 | 1.33 - 1.415 | 7 | 360 | 20 | Vertical | 908x57 Ø | N(F) | |
| FVD2-1394/647 | 1.34 - 1.43 | 2 | 360 | 80 | Vertical | 200x20 Ø | N(M) | |
| EVD2-1400-NM/1264 | 1.35 - 1.43 | 2 | 360 | 80 | Vertical | 222x26 Ø | N(M) | |
| EVD2-1400-D1/1340 | 1.35 - 1.45 | 2 | 360 | 80 | Vertical | 207x29 Ø | N(F) | ▲ |
| EVD2-1400/329 | 1.35 - 1.45 | 2 | 360 | 80 | Vertical | 218x26 Ø | N(F) | ▲ |
| SVD2-1.4V/1443 | 1.35 - 1.45 | 2 | 360 | 80 | Vertical | 188x12 Ø | N(M) | ▲ |
| SVD2-1394-SMA(M)/1307 | 1.35 - 1.45 | 2 | 360 | 80 | Vertical | 170x12 Ø | SMA(M) | |
| SVD2-1394-SMA90/784 | 1.35 - 1.45 | 2 | 360 | 80 | Vertical | 156x10 Ø | SMA(M) 90° | |
| SVD2-1394-TNC(M)/282 | 1.35 - 1.45 | 2 | 360 | 80 | Vertical | 174x12 Ø | TNC(M) | ▲ |
| EVD2-1400-D1/1248 | 1.35 - 1.45 | 2 | 360 | 80 | Vertical | 220x45/13 Ø | N(F) | ▲ |
| OA4-1.4V/1444 | 1.35 - 1.45 | 4 | 360 | 37 | Vertical | 757x36/162 ² | N(M) | |
| OA4-1.4V/1515 | 1.35 - 1.45 | 5 | 360 | 37 | Vertical | 390x26 Ø | N(M) | |
| OA8-1.4V/1251 | 1.35 - 1.525 | 9 | 360 | 12.5 | Vertical | 1208x57 Ø | N(F) | |
| OA2-1.5V/1345 | 1.35 - 1.70 | 2 | 360 | 70 | Vertical | 185x32 Ø | TNC(F) | ▲ |
| EVD2-1400/1340 | EVD2-1400/329 | SVD2-1.4V/1443 | SVD2-1394-TNC(M)/282 | EVD2-1400-D1/1248 | OA2-1.5V/1345 | | | |
|  |  |  |  |  |  | | | |
| VOA4-1400/1130 | 1.36 - 1.55 | 5 | 360 | 40 | Vertical | 360x150 Ø | N(F) | ▲ |
| OA4-1.4V/1451 | 1.36 - 1.55 | 5 | 360 | 40 | Vertical | 360x50/150 Ø | N(F) | |
| OA4-1.4V/1483 | 1.36 - 1.55 | 5 | 360 | 40 | Vertical | 525x57 Ø | N(F) | ▲ |
| DVOA4-1454/314 | 1.37 - 1.52 | 4 | 360 | 40 | Vertical | 908x57 Ø | N(F) x2 | |
| EVD2-1450/124 | 1.40 - 1.50 | 2 | 360 | 60 | Vertical | 205x26 Ø | N(F) | ▲ |
| EVD2-1.5V/1646/LDS | 1.40 - 1.52 | 2 | 360 | 70 | Vertical | 200x45/19 Ø | N(F) | |
| EVD2-1.5V/1646 | 1.40 - 1.525 | 2 | 360 | 70 | Vertical | 205x45/13 Ø | N(F) | |
| OA4-1.5V/1693 | 1.40 - 1.525 | 4 | 360 | 38 | Vertical | 451x31 Ø | N(F) | |
| FVD2-1500-D1/1139 | 1.40 - 1.60 | 2 | 360 | 80 | Vertical | 295x26 Ø | N(M) | |
| OA4-1.6V/1669 | 1.40 - 1.70 | 4 | 360 | 38 | Vertical | 330x28 Ø | TNC(M) | ▲ |
| SBA-1470/702 blade | 1.42 - 1.52 | 0 to 1 | 360 | 80 | Vertical | 100x67x12 | SMA(F) | |
| EVD2-1500/002 | 1.42 - 1.54 | 2 | 360 | 80 | Vertical | 205x26 Ø | N(F) | ▲ |
| EVD2-1.5/1432 | 1.429 - 1.52 | 2 | 360 | 80 | Vertical | 205x25 Ø | N(F) | |
| OA6-1.44V/1508 | 1.43 - 1.45 | 7 | 360 | 19.5 | Vertical | 858x57 Ø | N(F) | ▲ |
| SVD2-1.5V/1657 | 1.43 - 1.52 | 2 | 360 | 80 | Vertical | 163x12 Ø | SMA(M) | |
| SBA-1480/1297 blade | 1.43 - 1.52 | 2 | 360 | 80 | Vertical | 120x22x2 | SMA(F) | above |

VOA4-1400/1130



OA4-1.4V/1483



EVD2-1450/124



OA4-1.6V/1669



EVD2-1500/002






OA6-1.44V/1508



Group 2 - 1GHz to 2GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|------------------------|------------------|-------------|----------------------|----|----------------|------------------|-----------------|------------|
| VOA4-1500/054 | 1.43 - 1.57 | 5 | 360 | 40 | Vertical | 600x57 Ø | N(F) | ▲ |
| SBA-1500-502/445 blade | 1.45 - 1.55 | 2 | 360 | 80 | Vertical | 72x14x126 | SMA(F) | ▲ |
| SBA-1500/055 blade | 1.45 - 1.55 | 2 | 360 | 80 | Vertical | 100x9x122 | SMA(F) | ▲ |
| XPO7R-1500/138 | 1.45 - 1.55 | 7 | 360 | 20 | Right Circular | 707x158 Ø | N(F) | |
| EVD2-1600/1331 | 1.50 - 1.65 | 2 | 360 | 80 | Vertical | 188x13/127 Ø | N(F) | |
| EVD2-1600/530 | 1.50 - 1.65 | 2 | 360 | 80 | Vertical | 260x26 Ø | N(M) | ▲ |
| SVD2-1.7V/1772 | 1.50 - 1.85 | 2 | 360 | 80 | Vertical | 143x19 Ø | SMA(M) | |
| SVD2-1.7V/1773 | 1.50 - 1.85 | 2 | 360 | 80 | Vertical | 140x19 Ø | SMA(M) 90° | |
| LCO3-1700/1367 | 1.55 - 1.85 | 3 | 360 | 80 | Left Circular | 224x100 Ø | N(F) to IP65 | |
| RCO3-1700/122 | 1.55 - 1.85 | 3 | 360 | 80 | Right Circular | 169x100 Ø | N(F) to IP65 | ▲ |
| SVD2-1605-HDSMA-F1/431 | 1.565 - 1.645 | 2 | 360 | 80 | Vertical | 161x11 Ø | SMA(M) | |
| VOA10-1615/897 | 1.59 - 1.64 | 8.9 to 9.5 | 360 | 10 | Vertical | 1225x57 Ø | N(F) | ▲ |

| VOA4-1500/054 | SBA-1500-502/445 | SBA-1500/055 | EVD2-1600/530 | RCO3-1700/122 | VOA10-1615/897 | | | |
|---|---|---|---|---|---|-----------|------------|-------|
|  |  |  |  |  |  | | | |
| EVD2-1.6/1503 | 1.62 - 1.66 | 2 | 360 | 80 | Vertical | 196x26 Ø | N(F) | |
| SVD2-1.7V/1620 | 1.62 - 1.73 | 2 | 360 | 80 | Vertical | 140x10 Ø | TNC(M) 90° | |
| EVD2-1700/071 | 1.65 - 1.75 | 2 | 360 | 80 | Vertical | 239x25 Ø | N(F) | ▲ |
| SBA-1700/154 blade | 1.65 - 1.75 | 2 | 360 | 80 | Vertical | 100x25x95 | SMA(F) | |
| VOA4-1700/176 | 1.65 - 1.75 | 4 | 360 | 40 | Vertical | 470x36 Ø | N(F) | |
| OA2-1.9V/1876 | 1.65 - 1.95 | 1 | 360 | 80 | Vertical | 105x14 Ø | SMA(M) | ▲ |
| OA2-1.6-3.0V/1683 | 1.65 - 3.00 | 2 | 360 | 63 | Vertical | 184x13 Ø | TNC(F) | ▲ |
| OA2-1.6-3.0V/1377 | 1.65 - 3.00 | 2 | 360 | 68 | Vertical | 186x75 Ø | N(F) | |
| OA2-HP-2.0V/1291 | 1.65 - 3.00 | 2 | 360 | 80 | Vertical | 253x25 Ø | N(F) | |
| XPO2V-1650-3000/140 | 1.65 - 3.00 | 2 | 360 | 80 | Vertical | 256x25 Ø | N(F) | |
| XPO2V-1650-3000/1354 | 1.65 - 3.00 | 2 | 360 | 80 | Vertical | 256x25 Ø | N(F) | ▲ |
| EVD2-1800/595 | 1.71 - 1.88 | 2 | 360 | 60 | Vertical | 180x24 Ø | N(M) | |
| SVD2-1800-NM90/296 | 1.71 - 1.88 | 2 | 360 | 80 | Vertical | 102x10 Ø | N(M) 90° | ▲ |
| SVD2-1800-SMA(M)/841 | 1.71 - 1.88 | 2 | 360 | 80 | Vertical | 140x10 Ø | SMA(M) | |
| SVD2-1800-SMAF/721 | 1.71 - 1.88 | 2 | 360 | 80 | Vertical | 135x7 Ø | SMA(F) | |
| VOA10-1800/111 | 1.71 - 1.88 | 9 | 360 | 10 | Vertical | 1255x57 Ø | N(F) | above |
| EVD2-1800-DTC/1740 | 1.70 - 1.90 | 2 | 360 | 70 | Vertical | 185x32 Ø | N(F) | above |
| EVD2-1800-DTC/1219 | 1.70 - 1.90 | 2 | 360 | 70 | Vertical | 185x32 Ø | TNC(F) | |
| VOA4-1800/131 | 1.70 - 1.90 | 4 | 360 | 40 | Vertical | 447x36 Ø | N(F) | above |

| EVD2-1.6/1503 | EVD2-1700/071 | OA2-1.9V/1876 | OA2-1.6-3.0V/1683 | XPO2V-1650-3000/1354 | SVD2-1800-NM90/296 |
|---|---|---|---|---|---|
|  |  |  |  |  |  |

Catalogue

Group 2 - 1GHz to 2GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|----------------------|------------------|-------------|----------------------|----|--------------|------------------|-----------------|------------|
| VOA4-1800/1319 | 1.70 - 1.90 | 4 | 360 | 40 | Vertical | 445x36 Ø | N(F) | ▲ |
| VOA7-1800/150 | 1.70 - 1.90 | 8.4 | 360 | 17 | Vertical | 627x36 Ø | N(F) | ▲ |
| XPO2V-1710-2175/1007 | 1.70 - 2.17 | 3.5 | 360 | 50 | Vertical | 147x26 Ø | N(F) | |
| OA4-1.7-2.5V/1810 | 1.70 - 2.50 | 4 | 360 | 40 | Vertical | 256x50 Ø | N(F) | above |
| OA2-1.7-6.0V/1624 | 1.70 - 6.00 | 2 | 360 | 70 | Vertical | 104x35 Ø | N(F) | |
| EVD2-1800/017 | 1.71 - 1.88 | 2 | 360 | 80 | Vertical | 182x26 Ø | N(F) | |
| OA4-1.8V/1641 | 1.71 - 1.88 | 4.4 | 360 | 38 | Vertical | 392x51 Ø | QN(M) | ▲ |
| OA4-1.8V/1521 | 1.71 - 1.88 | 5 | 360 | 44 | Vertical | 364x36 Ø | N(F) | |
| OA4-1.8V/1845 | 1.71 - 1.88 | 5 | 360 | 44 | Vertical | 445x36 Ø | N(F) | |
| SBA-1790/1298 blade | 1.75 - 1.82 | 2 | 360 | 80 | Vertical | 105x30x2 | SMA(F) | |
| FVD2-2.3/1550 | 1.80 - 3.60 | 2 | 360 | 65 | Vertical | 323x28 Ø | N(M) | ▲ |
| FVD2-1.9V/1634 | 1.805 - 1.99 | 0 | 360 | 80 | Vertical | 377x26 Ø | N(M) | |
| VOA10-1900/232 | 1.85 - 1.95 | 10 | 360 | 10 | Vertical | 1008x57 Ø | N(F) | ▲ |
| EVD2-1900/087 | 1.85 - 1.99 | 2 | 360 | 80 | Vertical | 180x25 Ø | N(F) | |
| VOA4-1920/158 | 1.85 - 1.99 | 4 | 360 | 40 | Vertical | 345x36 Ø | N(F) | |
| VOA4-1920-DT/1069 | 1.85 - 1.99 | 4 | 360 | 40 | Vertical | 345x36 Ø | N(F) | ▲ |

VOA4-1800/1319



VOA7-1800/150



OA4-1.8V/1641



FVD2-2.3/1550



VOA10-1900/232



VOA4-1920-DT/1069



| | | | | | | | | |
|----------------------|--------------|--------|-------------------|-----|----------------|-------------|-------------------|---|
| SVD2-1900-NM90/297 | 1.85 - 2.00 | 2 | 360 | 80 | Vertical | 102x10 Ø | N(M) 90° | ▲ |
| SVD2-1900/885 | 1.85 - 2.00 | 2 | 360 | 80 | Vertical | 107x11 Ø | SMA(M) | |
| SVD2-2000-NM/958 | 1.90 - 2.10 | 2 | 360 | 80 | Vertical | 102x11 Ø | N(M) | ▲ |
| OA3-1.9-2.7L/1558 | 1.90 - 2.70 | 2 | 360 | 100 | Left Circular | 122x33 Ø | N(F) | |
| RCO3-19-27-D1/976 | 1.90 - 2.70 | 2 | 360 | 100 | Right Circular | 122x101 Ø | N(F) | |
| RCO3-19-27/592 | 1.90 - 2.70 | 3 | 360 | 60 | Right Circular | 121x100 Ø | N(F) | |
| EVD2-2050/712 | 1.92 - 2.17 | 2 | 360 | 75 | Vertical | 87x100 Ø | SMA(F) | ▲ |
| SVD2-2050-SMA(M)/898 | 1.92 - 2.17 | 3.6 | 360 | 80 | Vertical | 117x11 Ø | SMA(M) | |
| OA4-2.0V/1375 | 1.92 - 2.17 | 3.6 | 360 | 40 | Vertical | 307x25/75 Ø | N(F) | ▲ |
| OA4-2.0V/9006 | 1.92 - 2.17 | 4.5 | 360 | 36 | Vertical | 365x32 | N(F) | ▲ |
| OA7-2.0V/1376 | 1.92 - 2.17 | 6.3 | 360 | 21 | Vertical | 591x36/75 Ø | N(F) | |
| OA7-2.0V/9009 | 1.92 - 2.17 | 6.3 | 360 | 21 | Vertical | 586x36 Ø | N(F) | ▲ |
| EVD2-2050-UBI/974 | 1.92 - 2.17 | 2 | Request datasheet | | Vertical | 160x62 Ø | SMA(M) 2.5m cable | |
| EVD2-1920-2175/548 | 1.92 - 2.175 | 1 to 2 | 360 | 80 | Vertical | 180x26 Ø | N(F) | |

SVD2-1900-NM90/297



SVD2-2000-NM/958



EVD2-2050/712



OA4-2.0V/1375



OA4-2.0V/9006



OA7-2.0V/9009



Group 2 - 1GHz to 2GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|------------------------|------------------|-------------|----------------------|----|--------------|------------------|--------------------|------------|
| EVD2-1920-2175-D1/1128 | 1.92 - 2.175 | 2 | 360 | 80 | Vertical | 150x29 Ø | N(F) | ▲above |
| EVD2-1920-2175-NM/669 | 1.92 - 2.175 | 1 to 2 | 360 | 80 | Vertical | 185x26 Ø | N(M) | |
| EVD2-2050-UBI/932 | 1.92 - 2.175 | >0 | 360 | 80 | Vertical | 160x62 Ø | SMA(M) 1m cable | |
| SBA-2.0/1418 blade | 1.98 - 2.01 | 2 | 360 | 60 | Vertical | 97x50x41 | MCX 90° 0.1m cable | |
| FVD2-2050/832 | 1.99 - 2.11 | 2 | 360 | 80 | Vertical | 650x22 Ø | N(F) | |

EVD2-1920-2175-D1/1128 OA2-0.1-6.0/1692 OA3-2.4-5.4DS/1833 DOA-2.4V-3.4V-4.7V/1869



OMNI - MULTIBAND

| | | | | | | | | |
|-----------------------------|--------------|-----|-----|-----|-----------|------------|-----------------------|---|
| OA2-0.1-6.0V/1692 | 0.10 - 0.50 | | | | | | | |
| | 0.50 - 6.00 | 0 | 360 | 80 | Vertical | 1250x140 Ø | N(F) x2 | ▲ |
| DEV2-900V-1800V-502/605 | 0.88 - 0.96 | 0 | | | | | | |
| | 1.71 - 1.88 | 2 | 360 | 75 | Vertical | 87x100 Ø | SMA(F) x2 | |
| TEVD2-900-1800-2050/1016 | 0.88 - 0.96 | | | | | | | |
| | 1.71 - 1.88 | | | | | | | |
| | 1.92 - 2.17 | 2 | 360 | 80 | Vertical | 87x100 Ø | SMA(F) x3 | |
| 7EVD2-900-5850/1091 | 0.88 - 0.96 | 1 | | | | | | |
| | 1.71 - 1.88 | 2 | | | | | | |
| | 1.92 - 2.17 | 2 | | | | | | |
| | 2.40 - 2.50 | 2 | | | | | | |
| | 5.25 - 5.85 | 2 | 360 | 100 | Vertical | 103x220 Ø | SMA(F) x7 | |
| DEV2-900V-1800V-502-D1/1003 | 0.88 - 0.96 | 0 | | | | | | |
| | 1.71 - 1.88 | 2 | 360 | 75 | Vertical | 87x100 Ø | N(F) 0.3m cable x2 | |
| DEV2-900V-1800V-502-D2/1004 | 0.88 - 0.96 | 0 | | | | | | |
| | 1.71 - 1.88 | 2 | 360 | 75 | Vertical | 87x100 Ø | SMA(F) x2 | |
| DEV2-1800V-2050V/766 | 1.71 - 1.88 | | | | | | | |
| | 1.92 - 2.17 | 2 | 360 | 80 | Vertical | 87x100 Ø | SMA(F) x2 | |
| OA3-2.4-5.4DS/1833 | 2.40 - 2.50 | | | | | | | |
| | 5.15 - 5.725 | 0 | 360 | 70 | Dual ±45° | 93x100 Ø | RP SMA(M) 1m cable x4 | ▲ |
| DOA-2.4V-3.4V-4.7V/1869 | 2.30 - 3.50 | 2.0 | 360 | 70 | Vertical | 584x34 Ø | N(M) 90° 0.508m cable | ▲ |
| | 4.40 - 5.00 | 6.5 | 360 | 23 | Vertical | | N(M) 90° 0.254m cable | |

Catalogue

Group 2 - 1GHz to 2GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

HEMI OMNI

*All Hemi Omni Antennas feature 360° Azimuth. Elevation measurements are cuts at various positions in the radiation pattern.

| | | | | | | | | |
|------------------------|----------------------------|----------|-----|------------|----------------|-------------|-----------|---|
| DHOA2-9-18R-D1/1151 | 0.87 - 0.96 1.71 - 1.88 | 4.5 4 | 360 | 105 140 | | | | |
| | | | | | Right Circular | 311x165x121 | SMA(F) x2 | ▲ |
| HOA2-1090R/050 | 1.08 - 1.10 | 3 | 360 | 180 | Right Circular | 367x79 Ø | N(F) | |
| HOA3-15L/828 | 1.38 - 1.71 | 3 | 360 | 150 | Left Circular | 189x75 Ø | N(F) | |
| HOA3-15R/172 | 1.38 - 1.71 | 3 | 360 | 150 | Right Circular | 189x75 Ø | N(F) | |
| HOA3-15R-SMA/514 | 1.42 - 1.55 | 2 | 360 | 150 | Right Circular | 203x75 Ø | SMA(F) | |
| HOA2-15RL/980 | 1.45 - 1.50 | 4 | 360 | 150 | Dual Circular | 79x100 Ø | SMA(F) x2 | |
| HOA3-1.5RL/1436 | 1.52 - 1.56 | 2.5 | 360 | 180 | Dual Circular | 86x108 Ø | N(F) x2 | ▲ |
| HOA2-15R-701/364 | 1.52 - 1.58 | 3 | 360 | 160 | Right Circular | 123x132 Ø | TNC(F) | ▲ |
| HOA2-15R/872 | 1.52 - 1.59 | 2 | 360 | 160 | Right Circular | 203x75 Ø | SMA(F) | |
| HOA2-1.6L/9801 | 1.52 - 1.66 | 2.5 | 360 | 150 | Left Circular | 85x100 Ø | SMA(F) | ▲ |
| HOA2-1.6L-GPS-GSM/1670 | 1.52 - 1.66 | 2 to 4 | 360 | 163 | Left Circular | 107x110 Ø | TNC(F) x3 | ▲ |
| HOA2-1.6RL/9802 | 1.52 - 1.66 | 2.5 | 360 | 155 | Dual Circular | 85x100 Ø | SMA(F) x2 | ▲ |

DHOA2-9-18R-D1/1151



HOA3-1.5RL/1436



HOA2-15R-701/364



HOA2-1.6L/9801



HOA2-1.6L-GPS-GSM/1670



HOA2-1.6RL/9802



| | | | | | | | | |
|--------------------|------------------------------------|---------|-----|------------|---------------------------------|-----------|-------------------|---|
| HOA2-1.6L/1404 | 1.52 - 1.66 | 3 | 360 | 150 | Left Circular | 103x100 Ø | SMA(M) 2.5m cable | ▲ |
| HOA2-IR/1698 | 1.616 - 1.6265 | 2 | 360 | 170 | Right Circular | 107x83 Ø | TNC(F) | ▲ |
| HOA2-159L-GPS/1486 | Sat 1.52 - 1.66 GPS 1.56 - 1.59 | 2 30 | 360 | 163 160 | Left Circular Right Circular | 107x110 Ø | TNC(F) x2 | ▲ |
| HOA2-159L-GPS/1577 | Sat 1.52 - 1.66 GPS 1.56 - 1.59 | 2 2 | 360 | 150 | Left Circular Right Circular | 127x78 Ø | TNC(F) x2 | ▲ |
| HOA2-159L-GPS/1548 | Sat 1.52 - 1.66 GPS 1.56 - 1.59 | 4 30 | 360 | 160 160 | Left Circular Right Circular | 127x78 Ø | TNC(F) x2 | ▲ |

HOA2-1.6L/1404



HOA2-IR/1698



HOA2-159L-GPS/1486



HOA2-159L-GPS/1577



HOA2-159L-GPS/1548



Group 3 - 2GHz to 3GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

DIRECTIONAL

DIRECTIONAL - SINGLE BAND

| | | | | | | | | | |
|-------------------|-------------|-------------------|--------------|----|----------------|----------------|----------|------------|-------|
| UWBA15300/1221 | 0.15 - 3.00 | Request datasheet | | | Right Circular | 705x671x37 | N(F) | ▲ | |
| PSA7530L/1147 | 0.50 - 3.00 | 1 (0.5) | 4 to 6 (1-3) | 70 | 90 | Left Circular | 57x246 Ø | SMA(F) 90° | |
| PSA75301R/170 | 0.50 - 3.00 | 1 (0.5) | 4 to 6 (1-3) | 70 | 90 | Right Circular | 57x246 Ø | SMA(F) 90° | above |
| PSA-50200-LP/1211 | 0.50 - 3.00 | 8 | 70 | 60 | Right Circular | 490x365x30 | N(F) | ▲ | |
| PSA-50200-LP/1421 | 0.50 - 3.00 | 8 | 70 | 60 | Right Circular | 490x365x31 | N(F) | | |

UWBA15300/1221



PSA-50200-LP/1211



BDPSA-50800-D2/1160



BDFPA-0.6-4.0-RL/1313



PSA-8025R/707



FPA3-0.8-6.0R/1329



| | | | | | | | | |
|-----------------------|--------------|------------|----|----|-----------------|------------|-------------------------|-----|
| BDPSA5-50800-D2/1160 | 0.50 - 8.00 | 5 | 80 | 70 | Circular | 488x356x22 | SMA(F) x2 | ▲ |
| BDFPA-0.6-4.0-RL/1313 | 0.60 - 4.00 | 4.5 | 75 | 75 | Circular | 280x227x50 | N(F) 1m cable | ▲ |
| FPA-0.6-6.0R/1562 | 0.60 - 6.00 | 1 to 6 | 70 | 70 | Circular | 50x219 Ø | N(F) | |
| PSA-8025R/707 | 0.80 - 2.50 | 4.5 to 8 | 65 | 65 | Right Circular | 48x220 Ø | N(F) | ▲ |
| FPA3-0.8-6.0R/1329 | 0.80 - 6.00 | 4.5 | 80 | 80 | Right Circular | 50x219 Ø | N(F) | ▲ |
| FPA3-0.8-6.0L/1812 | 0.80 - 6.00 | 4.5 | 80 | 80 | Left Circular | 50x219 Ø | N(F) | ▲ |
| PSA10401L/1169 | 1.00 - 4.00 | 4 to 6 | 90 | 90 | Left Circular | 42x150 Ø | N(F) | |
| PSA1040R/1366 | 1.00 - 4.00 | -5 to +7.5 | 75 | 75 | Right Circular | 80x100 Ø | SMA(F) | |
| PSA10401R/643 | 1.00 - 4.00 | 4 to 6 | 90 | 90 | Right Circular | 76x150 Ø | N(F) | |
| FPA12-2.1V/1924 | 1.90 - 2.30 | 13.5 | 35 | 35 | Vertical | 240x240x29 | N(F) | |
| LPA7-2.1R/1710 | 1.90 - 2.30 | 7 | 75 | 75 | Right Circular | 17x122 Ø | N(F) | |
| LPA7-21R/1388 | 1.90 - 2.30 | 7 | 75 | 75 | Right Circular | 17x121 Ø | SMA(F) | ▲ |
| LPA7-21R/422 | 1.90 - 2.30 | 7.7 | 78 | 70 | Right Circular | 17x121 Ø | SMA(F) | ▲ |
| FPA7-2.0DS/1652 | 1.92 - 2.17 | 7.5 | 65 | 65 | Dual slant ±45° | 99x99x15 | SMA() 90° 0.3m cable x2 | p44 |
| FPA9-2.0V/9003 | 1.92 - 2.17 | 8.6 | 70 | 60 | Vertical | 22x132 Ø | SMA(F) | |
| FPA7-2.0DS/1750 | 1.92 - 2.175 | 6 | 65 | 65 | Dual slant ±45° | 99x99x15 | QMA x2 | ▲ |
| FPA7-2.0DS/1824 | 1.92 - 2.175 | 6 | 65 | 65 | Dual slant ±45° | 99x99x15 | QMA 90° x2 | |
| FPA7-2.0DS/1825 | 1.92 - 2.175 | 6 | 65 | 65 | Dual slant ±45° | 99x99x15 | QMA x2 | |
| DLPA7-2050-DS45/1107 | 1.92 - 2.175 | 7.5 | 65 | 65 | Dual slant ±45° | 100x100x9 | SMA(M) 90°x2 | ▲ |
| LPA7-2050V/912 | 1.92 - 2.175 | 7.8 | 70 | 60 | Vertical | 22x132 Ø | SMA(M) 0.5m cable | ▲ |

FPA3-0.8-6.0L/1812



LPA7-21R/1388



LPA7-21R/422



FPA7-2.0DS/1750



DLPA7-2050-DS45/1107





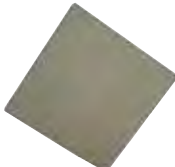









LPA7-2050V/912



Catalogue





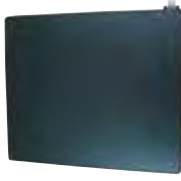







Group 3 - 2GHz to 3GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az° el° | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---|---|---|---|---|---|------------------|---------------------|------------|
| FPA13-2050R/1056 | 1.99 - 2.11 | 10 | 50 | 40 | Right Circular | 195x163x11 | SMA(F) | ▲ |
| DPA3-2100R/1125 bodyworn | 2.00 - 2.20 | 3 | 65 | 65 | Right Circular | 17x77 Ø | SMA(M) 90° + cables | above |
| FPA13-21VH/1094 | 2.00 - 2.25 | 13 | 32 | 32 | Dual V&H | 242x242x16 | SMA(F) x2 | ▲ |
| FPA13-21VH/1309 | 2.00 - 2.25 | 13 | 32 | 32 | Dual V&H | 242x242x19 | N(F) x2 | ▲ |
| PSA0218L/1501 | 2.00 - 18.00 | 0 to -2 | 75 | 75 | Left Circular | 45x56 Ø | SMA(F) | |
| PSA0218R/1142 | 2.00 - 18.00 | 0 to -2 | 75 | 75 | Right Circular | 40x52 Ø | SMA(F) | ▲ |
| PSA0218L/1276 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Left Circular | 39x62 Ø | SMA(F) | |
| PSA0218R/1277 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Right Circular | 65x68 Ø | SMA(F) | ▲ |
| PSA0218R/1278 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Right Circular | 39x62 Ø | SMA(F) | ▲ |
| PSA0218L/1084 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Left Circular | 65x68 Ø | SMA(F) | |
| PSA0218L/1361 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Left Circular | 51x61 Ø | N(F) | |
| PSA0218R/1360 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Right Circular | 51x61 Ø | SMA(F) | |
| FPA13-2050R/1056 | FPA13-21VH/1094 | FPA13-21VH/1309 | PSA0218R/1142 | PSA0218R/1277 | PSA0218R/1278 | | | |
|  |  |  |  |  |  | | | |
| PSA0218L/1333 | 2.00 - 18.00 | -4(2-4) 2(4-18) | 75 | 75 | Left Circular | 51x61 Ø | SMA(F) | ▲ |
| PSA0218R/1362 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Right Circular | 51x61 Ø | N(F) | |
| FPA13-2250R-N1/465 | 2.05 - 2.25 | 11 | 40 | 40 | Right Circular | 195x163x14 | SMA(F) | |
| FPA13-22L-D2/1383 | 2.05 - 2.35 | 13 | 40 | 40 | Left Circular | 195x163x13 | SMA(F) | ▲ |
| FPA13-22R-D2/198 | 2.05 - 2.35 | 12 | 48 | 44 | Right Circular | 163x195x13 | SMA(F) | |
| FPA13-22R/219 | 2.05 - 2.35 | 13 | 40 | 40 | Right Circular | 203x170x25 | N(F) | |
| FPA13-22VH/1449 | 2.10 - 2.30 | 14 | 30 | 30 | Dual V&H | 225x225x13 | SMA(F) x2 | |
| FPA13-22VH/1218 | 2.10 - 2.30 | 14 | 30 | 30 | Dual V&H | 225x225x13 | SMA(F) x2 | |
| FPA16-2.2L/1305 | 2.10 - 2.30 | 16.8 | 24 | 25 | Left Circular | 330x330x20 | N(F) | |
| FPA17-2.2V/1371 | 2.10 - 2.30 | 16.9 | 24 | 23 | Vertical | 330x330x28 | TNC(F) | ▲ |
| FPA18-22VH/1156 | 2.10 - 2.30 | 18 | 16 | 16 | Dual V&H | 480x480x11 | SMA(F) x2 | ▲ |
| PSA0218L/1333 | FPA13-22L-D2/1383 | FPA17-2.2V/1371 | FPA18-22VH/1156 | LPA7-23L/686 | LPA7X-23R/1011 | | | |
|  |  |  |  |  |  | | | |
| FPA18-2.2V/1802 | 2.10 - 2.40 | 18 | 20 | 20 | Vertical | 367x367x15 | N(F) | |
| LPA7-23R/685 | 2.10 - 2.50 | 6 to 8 | 80 | 80 | Right Circular | 13x84 Ø | SMA(F) | |
| LPA7-23L/686 | 2.10 - 2.50 | 7 | 80 | 80 | Left Circular | 13x84 Ø | SMA(F) | ▲ |
| LPA7X-23R/1011 | 2.10 - 2.50 | 5 | 80 | 80 | Right Circular | 25x97 Ø | N(F) | ▲ |
| LPA7-22R-D2/940 | 2.20 - 2.30 | 7 | 80 | 80 | Right Circular | 15x84 Ø | SMA(F) | |
| LPA7-22R/328 | 2.20 - 2.30 | 8.8 | 65 | 65 | Right Circular | 15x104 Ø | SMA(F) | above |
| FPA13-2.2R/1533 | 2.20 - 2.35 | 13 | 40 | 40 | Right Circular | 195x163x13 | N(F) | above |
| FPA16-2.3R/1571 | 2.20 - 2.30 | 16.5 | 23 | 23.5 | Right Circular | 330x330x28 | N(F) | above |
| FPA13-22L/657 | 2.20 - 2.35 | 13 | 40 | 40 | Left Circular | 195x163x14 | SMA(F) | |

Group 3 - 2GHz to 3GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---|---|---|---|---|---|------------------|----------------------|------------|
| FPA13-22R/256 | 2.20 - 2.35 | 13 | 40 | 40 | Right Circular | 195x163x14 | SMA(F) | |
| PA6-2.2V/1818 bodyworn | 2.20 - 2.40 | 7 | 75 | 65 | Vertical | 9x100 Ø | SMA(M) 0.44m cable | above |
| FPA8-2.3V/1601 | 2.20 - 2.40 | 8.4 | 71 | 66 | Vertical | 100x100x14 | SMA(F) | above |
| FPA17-2300R/1231 | 2.20 - 2.40 | 17.25 | 22.5 | 22.5 | Right Circular | 330x330x28 | TNC(F) | ▲ |
| PA6-2.3V/1600 | 2.25 - 2.35 | 8 | 84 | 66 | Vertical | 13x80 Ø | SMA(M) 0.43m cable | above |
| DPA3-2.3V/1611 bodyworn | 2.28 - 2.55 | 5 | 66.5 | 79 | Vertical | 13x79 Ø | SMA(M) 0.51m cable | ▲ |
| FPA13-2450-D1/534 | 2.30 - 2.45 | 13 | 40 | 40 | Vertical | 203x170x25 | N(F) | ▲ |
| FPA9-2.4V/9210 | 2.30 - 2.50 | 8.8 | 67 | 60 | Vertical | 22x132 Ø | SMA(F) | ▲ |
| FPA13-2450V/632 | 2.30 - 2.60 | 13 | 40 | 40 | Vertical | 195x163x13 | SMA(F) | ▲ |
| FPA13-24L-D4/894 | 2.30 - 2.60 | 13 | 40 | 40 | Left Circular | 195x163x13 | N(F) | |
| FPA13-24R-D2/193 | 2.30 - 2.60 | 13 | 40 | 40 | Right Circular | 195x163x13 | SMA(F) | |
| FPA13-24R-D3/241 | 2.30 - 2.60 | 13 | 40 | 40 | Right Circular | 195x163x13 | SMA(F) | |
| FPA13-24R-D4/243 | 2.30 - 2.60 | 13 | 40 | 40 | Right Circular | 195x163x13 | N(F) | ▲ |
| FPA17-2300R/1231 | DPA2-2.3V/1611 | FPA13-2450-D1/534 | FPA9-2.4V/9210 | FPA13-2450V/632 | FPA13-24R-D4/243 | | | |
|  |  |  |  |  |  | | | |
| FPA16-24R/577 | 2.30 - 2.60 | 16 | 40 | 40 | Right Circular | 368x178x13 | SMA(F) | ▲ |
| FPA19-24L/822 | 2.30 - 2.60 | 19 | 18 | 18 | Left Circular | 367x367x15 | N(F) | |
| FPA19-24R-D2/758 | 2.30 - 2.60 | 19 | 18 | 18 | Right Circular | 367x367x15 | N(F) | |
| FPA19-24R/179 | 2.30 - 2.60 | 19 | 18 | 18 | Right Circular | 367x367x15 | N(F) | ▲ |
| LPA7X-25R/861 | 2.30 - 2.70 | 7.7 | 70 | 70 | Right Circular | 26x97 Ø | N(F) | |
| FPA7-2.5R/1886 | 2.30 - 2.70 | 7 | 80 | 80 | Right Circular | 15x84 Ø | TNC(F) | ▲ |
| LPA7-25L/690 | 2.30 - 2.70 | 7 | 80 | 80 | Left Circular | 15x84 Ø | SMA(F) | |
| LPA7-25R/022 | 2.30 - 2.70 | 7 | 80 | 80 | Right Circular | 15x84 Ø | SMA(F) | ▲ |
| LPA7-25R/1342 | 2.30 - 2.70 | 7 | 80 | 80 | Right Circular | 15x84 Ø | SMA(F) nickel plated | |
| LPA7X-24R-501/197 | 2.30 - 2.70 | 7 | 80 | 80 | Right Circular | 26x97 Ø | N(F) | |
| FPA16-24R/577 | FPA19-24R/179 | FPA7-2.5R/1886 | LPA7-25R/022 | LPA7X-25R/046 | FPA7-25R/1847 | | | |
|  |  |  |  |  |  | | | |
| LPA7X-25R/046 | 2.30 - 2.70 | 7 | 80 | 80 | Right Circular | 26x97 Ø | N(F) | ▲ |
| FPA7-25R/1847 | 2.30 - 2.70 | 8 | 75 | 80 | Right Circular | 15x84 Ø | SMA(F) | ▲ |
| LPA7-25R/1230 | 2.30 - 2.70 | 8 | 75 | 80 | Right Circular | 15x84 Ø | N(F) | above |
| PA5-2350R-D1/977 | 2.33 - 2.37 | 5 | 80 | 80 | Right Circular | 80x65x8 | SMA(M)0.25m cable | page 60 |
| PA5-2350R/168 | 2.33 - 2.37 | 5 | 90 | 90 | Right Circular | 80x65x2 | SMA(F) | |
| PA5-2340V/461 | 2.332 - 2.345 | 5 | 90 | 90 | Vertical | 80x65x2 | SMA(F) | |
| DPA1-2.3V/1610 bodyworn | 2.34 - 2.36 | 0.5 | 90 | 90 | Vertical | 4x60 Ø | SMA(M) + cables | page 60 |
| PA4-2.3V/1599 | 2.34 - 2.36 | 4 | 90 | 90 | Vertical | 2x60 Ø | SMA(M) 0.43m cable | |

Catalogue

Group 3 - 2GHz to 3GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---------------------|------------------|-------------|----------------------|-----|----------------|------------------|-------------------|------------|
| LPA7-2.4V/1273 | 2.34 - 2.48 | 8.6 | 73 | 61 | Vertical | 15x84 Ø | SMA(F) | ▲ |
| PA5-2370L/819 | 2.35 - 2.39 | 5 | 90 | 90 | Left Circular | 80x75x11 | SMA(F) | |
| PA5-2370R/623 | 2.35 - 2.39 | 5 | 90 | 90 | Right Circular | 80x75x11 | SMA(F) | |
| FPA13-24VH-D1/125 | 2.35 - 2.55 | 13 | 40 | 40 | Dual V&H | 159x159x12 | SMA(F) x2 | ▲ |
| FPA13-24VH-D2/433 | 2.35 - 2.55 | 13 | 40 | 40 | Dual V&H | 159x159x12 | SMA(F) x2 | |
| FPA19-24V/163 | 2.35 - 2.55 | 19 | 18 | 18 | Vertical | 367x367x15 | N(F) | |
| FPA13-24L/699 | 2.35 - 2.60 | 13 | 40 | 40 | Left Circular | 203x170x24 | N(F) | ▲ |
| FPA13-24R/044 | 2.35 - 2.60 | 13 | 40 | 40 | Right Circular | 203x170x24 | N(F) | ▲ |
| WAA1-2355R/1008 | 2.355 | 1 | 360 | 100 | Right Circular | 80x96 Ø | SMA(F) | ▲ |
| PA3-2460-DS45/860 | 2.40 - 2.48 | 3 | 67 | 67 | Dual ±45° | 22x132 Ø | RPBNC 4m cable x2 | ▲ |
| FPA19-2460-502/511 | 2.40 - 2.50 | 18 | 20 | 20 | Right Circular | 12x443 Ø | RPTNC 1m cable | ▲ |
| FPA19-2460R-NF/797 | 2.40 - 2.50 | 18 | 20 | 20 | Right Circular | 12x403 Ø | N(F) | |
| FPA19-2460R-SMA/790 | 2.40 - 2.50 | 17.6 | 20 | 19 | Right Circular | 14x400 Ø | SMA(F) | |

LPA7-2.4V/1273



FPA13-24VH-D1/125



FPA13-24L/699



FPA13-24R/044



WAA1-2355R/1008



PA3-2460-DS45/860



| | | | | | | | | |
|-----------------------|--------------|------|-----|-----|----------------|------------|------------------------|---|
| FPA19-2460R-503/545 | 2.40 - 2.50 | 18 | 20 | 20 | Right Circular | 12x443 Ø | N(F) 1m cable | |
| DLPA7-X-24RL/189 | 2.40 - 2.65 | 7 | 90 | 90 | Dual Circular | 30x97 Ø | N(F) x2 | ▲ |
| FPA18-2.6L/1735 | 2.40 - 2.70 | 17.7 | 20 | 20 | Left Circular | 300x300x12 | N(F) | ▲ |
| FPA18-2.6R/1707 | 2.40 - 2.70 | 17.7 | 20 | 20 | Right Circular | 300x300x12 | N(F) | |
| FPA19-25R/120 | 2.40 - 2.70 | 19 | 18 | 18 | Right Circular | 367x367x15 | N(F) | |
| FPA13-26L/692 | 2.40 - 2.70 | 13 | 40 | 40 | Left Circular | 203x170x25 | N(F) | |
| FPA13-26R/091 | 2.40 - 2.70 | 13 | 40 | 40 | Right Circular | 203x170x24 | N(F) | |
| FPA19-25L/691 | 2.40 - 2.70 | 19 | 18 | 18 | Left Circular | 367x367x15 | N(F) | |
| PA5-2420L/886 | 2.42 ±20MHz | 5 | 100 | 100 | Left Circular | 80x65x2 | SMA(F) | |
| PA5-2420R/264 | 2.42 ±20MHz | 5 | 100 | 100 | Right Circular | 80x65x2 | SMA(F) | |
| PA3-2460-DS45/649 | 2.42 - 2.48 | 3 | 67 | 67 | Dual ±45° | 22x132 Ø | RPBNC 2m cable x2 | |
| PA6-2460-DS45/1364 | 2.42 - 2.48 | 6 | 67 | 67 | Dual ±45° | 22x133 Ø | RP SMA(M) 1m cable x2 | ▲ |
| PA6-2460-DS45-D1/1021 | 2.42 - 2.48 | 6 | 67 | 67 | Dual ±45° | 22x132 Ø | RPBNC 1m cable x2 | ▲ |
| PA6-2460-DS45/650 | 2.42 - 2.48 | 6 | 67 | 67 | Dual ±45° | 22x132 Ø | RPBNC 1m cable x2 | |
| DPA1-2467R-AQ/910 | 2.45 - 2.484 | 1.7 | 85 | 83 | Right Circular | 7x75 Ø | SMA(M) 0.33m cables x2 | |
| PA5-2460R/133 | 2.46 ±20MHz | 5 | 100 | 100 | Right Circular | 80x65x2 | SMA(F) | |
| PA4-26V/967 | 2.50 - 2.68 | 5 | 70 | 55 | Vertical | 22x132 Ø | SMA(M) 4m cable | |
| FPA19-26VH/641 | 2.50 - 2.70 | 18 | 20 | 20 | Dual V&H | 300x300x11 | SMA(F) | |
| LPA7-29V/1149 | 2.70 - 3.00 | 8 | 75 | 70 | Vertical | 12x102 Ø | SMA(F) | ▲ |

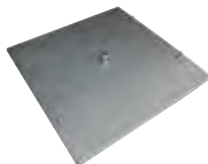
FPA19-2460-502/511



DLPA7X-24RL/189



FPA18-2.6L/1735



PA6-2460-DS45/1364



PA6-2460-DS45-D1/1021



LPA7-29V/1149



Group 3 - 2GHz to 3GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|--------------------------------|--|-------------|----------------------|----|--|------------------|-------------------------------|------------|
| DIRECTIONAL - MULTIBAND | | | | | | | | |
| LPA7-TRI-FL-D1/768 | 0.87 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(M) 1m LSZH cable x3 | |
| FPA6-TRI/1671 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 79 | 5 | Vertical | 339x225x25 | SMA(F) 2.75m LSHJ cables x3 ▲ | |
| LPA6-TRI-FL-D4/957 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(F) 2m LSHJ cable x3 ▲ | |
| FPA6-TRI/1671 | | | | | | | | |
| LPA6-TRI-FL-D4/957 | | | | | | | | |
| LPA7-TRI-COM/684 | | | | | | | | |
| LPA7-TRI-SMA/651 | | | | | | | | |
| LPA7-TRI-FL-D2/1005 | | | | | | | | |
| FPA7-TRI/1589 | | | | | | | | |
| LPA7-TRI-COM/684 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 7 | 75 | 60 | Vertical | 339x225x42 | SMA(F) ▲ | |
| LPA7-TRI-FL-D3/956 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 7 | 80 | 80 | Vertical | 339x225x25 | SMA(F) 1m LSZH cable x3 | |
| LPA7-TRI-SMA/651 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(F) x3 ▲ | |
| LPA7-TRI-FL-D2/1005 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 80 | 80 | Vertical | 339x225x25 | N(F) 0.3m cable LSZH x3 ▲ | |
| LPA6-TRI-FL-D2/955 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(M) 2m LSZH cable x3 | |
| LPA7-TRI-FL/652 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 6 | 80 | 80 | Vertical | 339x225x25 | SMA(M) 0.3m LSZH cable x3 | |
| FPA7-TRI-R/1589 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 8.5 | 70 | 60 | Right Circular | 339x225x25 | N(F) x3 ▲ | |
| FPA7-TRI-R/1873 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 8.5 | 70 | 60 | Right Circular | 339x225x25 | N(F) x3 | |
| FPA7-TRI-R/1695 | 0.88 - 0.98 1.71 - 1.88 1.92 - 2.175 | 8.5 | 70 | 60 | Right Circular | 358x246x25 | N(F) x3 | |
| LPA7-TRI-DS2450-DS5500/1090 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 2.40 - 2.50 5.25 - 5.85 | 7 | 60 | 60 | Vertical Vertical Vertical Dual ±45° Dual ±45° | 339x225x42 | SMA(F) x7 | |

Catalogue

Group 3 - 2GHz to 3GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-----------------------|--|-------------|----------------------|----------|----------------|------------------|--------------------|------------|
| FPA7-TRI-R/1873 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 | 8.5 | 70 | 60 | Right Circular | 339x225x | N(F) x3 | |
| 4DLPA7-13V-29V/1417 | 1.25 - 1.35 2.70 - 3.10 | 8.5 | 78.5 | 65 | Vertical | 650x225x20 | SMA(F) x8 | ▲ |
| FPA13-1800V-2050V/767 | 1.71 - 1.88 1.92 - 2.17 | 12 | 35 | 35 | Vertical | 464x250x25 | SMA(M) 1m cable x2 | ▲ |
| DLPA7-2.5-5.5DS/1315 | 2.40 - 2.50 5.15 - 5.85 | 7 | 60 | 60 | Dual ±45° | 37x132 Ø | SMA(F) x4 | ▲ |
| DLPA6-2.5-5.5DS/1314 | 2.40 - 2.50 5.15 - 5.85 | 8 | 60 | 60 | Dual ±45° | 55x161 Ø | N(M) 0.5m cable x4 | ▲ |
| FPA8-2.3-5.9R/1893 | 2.40 - 2.50 5.10 - 5.90 | 7.5 10 | 88 40 | 72 43 | Right Circular | 168x85x15 | N(F) x2 | |
| FPA7-2.3-5.9R/1894 | 2.40 - 2.50 5.10 - 5.90 | 6, 7 | 70 | 70 | Right Circular | 41x 106 Ø | N(F) | ▲ |
| DLPA6-2.5-5.5DS /1722 | 2.40 - 2.50 5.15 - 5.85 | 7 | 60 | 60 | Dual ±45° | 55x161 Ø | N(M) 1m cable x4 | |

4DLPA7-13V-29V/1417



FPA13-1800V-2050V/767



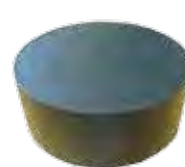
DLPA7-2.5-5.5DS/1315



DLPA6-2.5-5.5DS/1314



FPA8-2.3-5.9R/1894



DIRECTIONAL - HELIX

| | | | | | | | | |
|--------------------|-------------|----------|----|----|----------------|-----------|--------|---|
| AMH12-2.1R/1188 | 1.70 - 2.50 | 10.7 | 35 | 35 | Right Circular | 381x127 Ø | TNC(F) | ▲ |
| AMHP14-2150R/453 | 2.00 - 2.30 | 14 | 40 | 40 | Right Circular | 482x155 Ø | N(F) | ▲ |
| AMHH12-24R-SMA/904 | 2.20 - 2.70 | 12 to 15 | 40 | 40 | Right Circular | 366x156 Ø | SMA(F) | |
| AMHH12-24R/115 | 2.20 - 2.70 | 12 to 15 | 40 | 40 | Right Circular | 357x150 Ø | N(F) | |
| AMHS17-25R-D1/745 | 2.20 - 2.70 | 14 to 17 | 30 | 40 | Right Circular | 635x159 Ø | N(F) | |
| AMHS17-25R/023 | 2.20 - 2.70 | 14 to 17 | 30 | 40 | Right Circular | 635x159 Ø | N(F) | ▲ |
| AMHP12-24R/118 | 2.30 - 2.70 | 12 | 40 | 40 | Right Circular | 408x152 Ø | N(F) | ▲ |

AMH12-2.1R/1188



AMHP14-2150R/453



AMHS17-25R/023



AMHP12-24R/118



Group 3 - 2GHz to 3GHz

Sector

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

SECTOR

| | | | | | | | | |
|-------------------------|--------------|--------|-------------------|----|----------|------------|--------------------|-------|
| SA2-120-1940V/1027 | 1.71 - 2.17 | 4 | 140 | 80 | Vertical | 114x44x71 | N(F) 1m cable | ▲ |
| HDA-1.9V/1797 blade | 1.71 - 2.17 | 0 to 1 | Request datasheet | | Vertical | 35x45 | SMA(M) | |
| HDA-1800-2050/769 blade | 1.71 - 1.88 | | | | | | | |
| | 1.92 - 2.175 | 2 | 140 | 70 | Dual V&H | 180x46x43 | SMA(M) 1m cable x2 | above |
| SA13-2050V/496 | 1.92 - 2.175 | 12 | 70 | 20 | Vertical | 399x140x14 | N(F) 1.2m cable | ▲ |
| HDA-2050-D2/1030 blade | 1.92 - 2.175 | 4.5 | 150 | 80 | Vertical | 90x46x44 | SMA(M) 0.5m cable | |

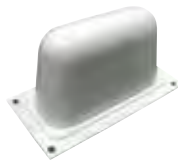
SA1-120-1940V/1027



SA13-2050V/496



HDA-2050/913 blade



SA12-180-21V/1061



SA13-2125V/1112



SA15-90-21H/1065



| | | | | | | | | |
|--------------------|--------------|------|-----|----|----------------|-------------|--------------------|---|
| HDA-2050/913 blade | 1.92 - 2.175 | 4.5 | 150 | 80 | Vertical | 90x46x44 | SMA(M) 0.5m cable | ▲ |
| SA12-180-21V/1061 | 2.00 - 2.30 | 11 | 180 | 7 | Vertical | 1308x229x98 | N(F) | ▲ |
| SA13-120-22R/610 | 2.00 - 2.30 | 13 | 120 | 10 | Right Circular | 840x159x79 | 716(F) | |
| SA13-2125V/1112 | 2.00 - 2.30 | 12.5 | 66 | 21 | Vertical | 528x150x14 | N(F) | ▲ |
| SA14-120-2150V/946 | 2.00 - 2.30 | 14 | 120 | 7 | Vertical | 1383x96 Ø | N(F) | |
| SA15-90-21H/1065 | 2.00 - 2.30 | 15 | 90 | 6 | Horizontal | 1228x156 Ø | N(F) | ▲ |
| SA15-90-21V/1066 | 2.00 - 2.30 | 15 | 90 | 7 | Vertical | 1308x96 Ø | N(F) | |
| SA17-22H/438 | 2.00 - 2.30 | 17 | 65 | 8 | Horizontal | 1140x150x13 | N(F) | |
| SA17-22V/555 | 2.00 - 2.30 | 17 | 65 | 8 | Vertical | 1140x150x14 | N(F) | ▲ |
| SA10-90-2.2V/1517 | 2.00 - 2.40 | 9.5 | 90 | 34 | Vertical | 220x120x35 | SMA(M) 0.15m cable | |
| SA11-100-2.4V/1633 | 2.00 - 2.70 | 11.5 | 100 | 22 | Vertical | 474x98 Ø | TNC(F) | |

SA17-22V/555



SA11-120-2.4V/1734



SA12-110-2.4V/1480



SA17-60-2.3R/1461



SA13-2370-DS45/867



DHDA-2.4V/1448



| | | | | | | | | |
|----------------------|-------------|------|-----|------|----------------|-------------|----------------------|-------|
| SA12-110-2.4V/1734 | 2.00 - 2.70 | 12 | 112 | 17 | Vertical | 569x98 Ø | TNC(F) | ▲ |
| SA12-110-2.4V/1480 | 2.00 - 2.70 | 12 | 112 | 17 | Vertical | 569x98 Ø | TNC(F) | ▲ |
| SA9-210-2.4V/1579 | 2.00 - 2.70 | 9 | 210 | 17 | Vertical | 569x98 Ø | TNC(F) | |
| SA13-2.2L/1853 | 2.10 - 2.30 | 13 | 80 | 20 | Left Circular | 320x88x13 | N(F) | |
| SA13-22R/205 | 2.10 - 2.30 | 11.5 | 80 | 20 | Right Circular | 320x88x13 | N(F) | |
| SA17-22V/366 | 2.10 - 2.30 | 17 | 65 | 8 | Vertical | 1140x150x14 | N(F) | above |
| SA10-23R/645 | 2.15 - 2.40 | 9 | 70 | 40 | Right Circular | 200x85x15 | SMA(F) | |
| SA17-60-2.3R/1461 | 2.20 - 2.40 | 15.5 | 57 | 10 | Right Circular | 795x130x20 | N(F) | ▲ |
| HDA-2.4V/1689 blade | 2.20 - 2.70 | 3.4 | 169 | 85 | Vertical | 82x38x47 | SMA(M) on 0.3m cable | |
| SA23-08-20-23R/475 | 2.25 - 2.35 | 21 | 20 | 8 | Right Circular | 1064x435x19 | SMA(F) | |
| SA13-2370-DS45/867 | 2.28 - 2.46 | 13 | 70 | 20 | Dual ±45' | 330x88x13 | SMA(F) x2 | ▲ |
| DHDA-2.4V/1448 blade | 2.28 - 2.55 | 1 | 160 | 78.5 | Vertical | 82x47x37 | SMA(M) 0.4m cable | ▲ |

Catalogue

Group 3 - 2GHz to 3GHz

Sector

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---------------------------|------------------|-------------|----------------------|------|----------------|------------------|--------------------|------------|
| HDA-2.4V/1423 blade | 2.28 - 2.55 | 4.5 | 160 | 78.5 | Vertical | 82x47x37 | SMA(M) 0.25m cable | above |
| SA16-23R-D1/549 | 2.30 - 2.40 | 16 | 60 | 10 | Right Circular | 732x140x10 | N(F) | |
| SA16-23R/513 | 2.30 - 2.40 | 16 | 60 | 10 | Right Circular | 732x140x10 | SMA(F) | |
| SA17-24V/556 | 2.30 - 2.48 | 17 | 70 | 8 | Vertical | 1140x150x14 | N(F) | ▲ |
| SA15-60-2.4V/1702 | 2.30 - 2.50 | 14.7 | 68 | 11.6 | Vertical | 650x200x100 | N(F) | |
| SA11-24R/411 | 2.30 - 2.50 | 11 | 35 | 72 | Right Circular | 199x85x35 | SMA(F) | |
| SA12-180-24V/1046 | 2.30 - 2.50 | 12 | 180 | 7 | Vertical | 1168x210x98 | N(F) | ▲ |
| SA13-60-2.4L/1302 | 2.30 - 2.50 | 14.2 | 60 | 17 | Left Circular | 400x150x12 | SMA(F) | |
| SA13-24L/705 | 2.30 - 2.55 | 13 | 80 | 20 | Left Circular | 320x88x13 | N(F) | |
| SA13-24R/200 | 2.30 - 2.55 | 13 | 80 | 20 | Right Circular | 320x88x13 | N(F) | ▲ |
| Vector SA15-120-2.5V/9203 | 2.30 - 2.70 | 15.4 | 120 | 8 | Vertical | 1100x200x101 | N(F) | |
| Vector SA17-60-2.5V/9213 | 2.30 - 2.70 | 17 | 64 | 8 | Vertical | 1100x200x101 | N(F) | |
| SA10-80-24R/060 | 2.35 - 2.55 | 10 | 80 | 40 | Right Circular | 170x101x18 | N(F) | |
| SA13-24V-D1/905 | 2.35 - 2.55 | 13 | 80 | 20 | Vertical | 320x88x13 | N(F) | ▲ |
| SA13-24V/207 | 2.35 - 2.55 | 13 | 80 | 20 | Vertical | 320x88x13 | N(F) | |
| SA14-2460R-NF/798 | 2.40 - 2.48 | 13 | 65 | 20 | Right Circular | 399x140x14 | N(F) | |
| SA14-2460R-SMA/789 | 2.40 - 2.48 | 14.5 | 65 | 20 | Right Circular | 399x140x14 | SMA(F) | ▲ |

SA17-24V/556



SA12-180-24V/1046



SA13-24R/200



SA13-24V-D1/905



SA14-2460R-SMA/789



SA13-120-2450R/1031



SA13-120-2450R/1031

SA14-24R-D1/969

SA14-24R/410

SA14-24R/521

HDA-2460-SMA(M)/902 blade

HDA-2460/024 blade

Vector SA15-90-2.5V/9202

Vector SA16-60-2.5V/9201

SA16-60-25V-D1/1115

SA16-60-25V/858

SA10-90-2.7V/1518

SA11-25R/1055

SA13-120-26R/600

SA13-120-26V/146

SA14-24R-D1/969



SA14-24R/521



SA15-90-2.5V/9202 and
SA16-60-2.5V/9201



SA16-60-25V/858



Group 3 - 2GHz to 3GHz

Sector

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|--------------------------|------------------|-------------|----------------------|----|----------------|------------------|-----------------|------------|
| SA16-26R/599 | 2.50 - 2.70 | 16 | 65 | 12 | Right Circular | 630x115x10 | N(F) | |
| SA17-26H/165 | 2.50 - 2.70 | 17 | 60 | 7 | Horizontal | 1062x100x17 | N(F) | |
| SA17-60-26-DS45-DT4/1029 | 2.50 - 2.70 | 17 | 60 | 6 | Dual ±45° | 1135x113x12 | N(F) x2 | |
| SA17-26V/166 | 2.50 - 2.70 | 17 | 80 | 7 | Vertical | 1062x100x17 | N(F) | |

MULTI-SECTOR

| | | | | | | | | |
|-------------------------|-------------|---------------------------|------------|------------|---|-------------|------------------------------|---|
| MSA6-2.4V/1795 | 2.00 - 2.70 | 8 sector 8.5 overhead | 140 65 | 35 65 | Vertical Right Circular | 300x156 Ø | SMA(F) x6 | ▲ |
| DSA17-22V/522 | 2.02 - 2.28 | 17 | 65 | 8 | Vertical | 1143x334x14 | N(F) x2 | |
| MSA7-16-2350R/829 | 2.30 - 2.40 | 14 sector 6.5 overhead | 70 60 | 10 53 | Right Circular | 813x231 Ø | N(F) | ▲ |
| MSA5-10-24R/389 | 2.30 - 2.50 | 10 sector 6 overhead | 90 90 | 40 90 | Right Circular | 210x140 Ø | SMA(F) x5 | |
| MSA5-24R-D1/672 | 2.30 - 2.50 | 12 sector 7 overhead | 80 70 | 20 70 | Right Circular | 550x156 Ø | SMA(M) x5 | |
| MSA4-24R/199 | 2.30 - 2.50 | 13 | 90 | 20 | Right Circular | 706x156 Ø | N(F) | ▲ |
| MSA5-24R/223 | 2.30 - 2.50 | 13 sector 7 overhead | 80 80 | 20 80 | Right Circular | 706x156 Ø | N(F) | |
| MSA5-24L-ECS/1293 | 2.30 - 2.50 | 13 sector 7 overhead | 90 80 | 20 80 | Left Circular | 583x156 Ø | - | |
| MSA5-24R-ECS/270 | 2.30 - 2.50 | 13 sector 7 overhead | 90 80 | 20 80 | Right Circular | 706x156 Ø | - | |
| MSA5-24L-ECS/763 | 2.30 - 2.50 | 13 sector 7 overhead | 90 80 | 20 80 | Left Circular | 707x156 Ø | - | |
| DSA17-24V/466 | 2.30 - 2.50 | 17 | 65 | 8 | Vertical | 1143x335x14 | N(F) x2 | |
| MSA5-2.4V/1681 | 2.30 - 2.55 | 12.5 sector 7 overhead | 80 75.8 | 21 80.3 | Vertical Right Circular | 583x156 Ø | - | ▲ |
| SA7-QUAD-24R/284 | 2.30 - 2.68 | 7 sector | 80 | 80 | Right Circular | 85x85x69 | SMA(F) x4 | ▲ |
| DSA11-6-2450R-701/563 | 2.40 - 2.50 | 11 Rx, 6 Tx | 65 70 | 30 70 | Right Circular | 547x140x19 | SMA(F), SMA(M) 0.5m cable | |
| DSA11-6-2450R-NF/723 | 2.40 - 2.50 | 11 Rx, 6 Tx | 65 70 | 30 70 | Right Circular | 547x140x19 | N(F) 0.5m cable | ▲ |
| MSA5-26L/117 | 2.48 - 2.68 | 13 sector 7 overhead | 90 80 | 20 80 | Left Circular | 706x156 Ø | N(F) | |
| DSA16-26VH/640 | 2.50 - 2.70 | 15.5 | 65 | 55 | Dual V&H | 652x250x10 | N(F) x4 | |
| 4SA12-26S45S45VS45/1063 | 2.50 - 2.70 | 12 | 75 | 20 | Linear 2x +45°, 1x -45°, 1x Vertical | 292x292x7 | MCX jack x1, PCB fs x3 | |
| 4SA9-26S45S45VS45/1064 | 2.50 - 2.70 | 9 | 75 | 45 | Linear 2x +45°, 1x -45°, 1x Vertical | 292x146x7 | MCX jack x1, PCB x3 | |

MSA6-2.4V/1795



MSA7-16-2350R/829



MSA4-24R/199



MSA5-2.4V/1681



SA7-QUAD-24R/284



DSA11-6-2450R-NF/723



Catalogue

Group 3 - 2GHz to 3GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

OMNI

OMNI - SINGLE BAND

| | | | | | | | | |
|-----------------------|--------------|-----|-----|----|----------|-----------|-------|---------|
| OA2-0.3-10.0V/1667 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1668 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1505 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 305x161 Ø | N(F) | |
| OA2-0.8-6.0V/1665 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| OA2-0.8-6.0V/1666 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| XPO2V-0.8-6.0-GF/1441 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | page 96 |
| XPO2V-0.8-6.0/1485 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x79 Ø | N(F) | page 96 |
| OA2-0.85-6.0V/1699 | 0.84 - 6.00 | 1 | 360 | 60 | Vertical | 170x60 Ø | N(F) | page 96 |
| XPO2V-880-2175/1355 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 221x50 Ø | N(F) | page 96 |
| XPO2V-880-2175/1350 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 345x36 Ø | N(F) | page 96 |
| OA2-0.9-2.2V/1830 | 0.88 - 2.175 | 2 | 360 | 50 | Vertical | 262x31 Ø | QN(M) | page 96 |
| OA2-0.8-2.2V/1726 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 345x36 Ø | N(F) | |
| XPO2V-880-2175/1060 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 221x50 Ø | N(F) | ▲ |

XPO2V-880-2175/1060



OA4-1.7-2.5V/1810



FVD2-2.3/1550



SVD2-2000-NM/958



EVD2-2050/712















OA4-2.0V/1375



| | | | | | | | | |
|----------------------|--------------|-----|-------------------|-----|----------------|-------------|-------------------|---------|
| XPO2V-880-2175/1321 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 221x50 Ø | N(F) | page 96 |
| OA2-1.0-6.0V/1794 | 1.00 - 6.00 | 1 | 360 | 80 | Vertical | 213x80 Ø | N(F) | page 97 |
| XPO2V-1.0-6.0/1442 | 1.00 - 6.00 | 2 | 360 | 70 | Vertical | 134x80 Ø | N(F) | page 97 |
| XPO2V-1.0-6.0/1512 | 1.00 - 6.00 | 2 | 360 | 70 | Vertical | 134x80 Ø | N(F) | page 97 |
| OA2-1.6-3.0V/1683 | 1.65 - 3.00 | 2 | 360 | 63 | Vertical | 184x13 Ø | TNC(F) | page 97 |
| XPO2V-1650-3000/140 | 1.65 - 3.00 | 2 | 360 | 80 | Vertical | 256x25 Ø | N(F) | |
| XPO2V-1650-3000/1354 | 1.65 - 3.00 | 2 | 360 | 80 | Vertical | 256x25 Ø | N(F) | page 97 |
| XPO2V-1710-2175/1007 | 1.70 - 2.17 | 3.5 | 360 | 50 | Vertical | 147x26 Ø | N(F) | page 97 |
| OA4-1.7-2.5V/1810 | 1.70 - 2.50 | 4 | 360 | 40 | Vertical | 256x50 Ø | N(F) | ▲ |
| OA2-1.7-6.0V/1624 | 1.70 - 6.00 | 2 | 360 | 70 | Vertical | 104x35 Ø | N(F) | |
| FVD2-2.3/1550 | 1.80 - 3.60 | 2 | 360 | 65 | Vertical | 323x28 Ø | N(M) | ▲ |
| SVD2-2000-NM/958 | 1.90 - 2.10 | 2 | 360 | 80 | Vertical | 102x11 Ø | N(M) | ▲ |
| OA3-1.9-2.7L/1558 | 1.90 - 2.70 | 2 | 360 | 100 | Left Circular | 122x33 Ø | N(F) | |
| RCO3-19-27-D1/976 | 1.90 - 2.70 | 2 | 360 | 100 | Right Circular | 122x101 Ø | N(F) | |
| RCO3-19-27/592 | 1.90 - 2.70 | 3 | 360 | 60 | Right Circular | 121x100 Ø | N(F) | |
| EVD2-2050/712 | 1.92 - 2.17 | 2 | 360 | 75 | Vertical | 87x100 Ø | SMA(F) | ▲ |
| SVD2-2050-SMA(M)/898 | 1.92 - 2.17 | 3.6 | 360 | 80 | Vertical | 117x11 Ø | SMA(M) | |
| OA4-2.0V/1375 | 1.92 - 2.17 | 3.6 | 360 | 40 | Vertical | 307x25/75 Ø | N(F) | ▲ |
| OA4-2.0V/9006 | 1.92 - 2.17 | 4.5 | 360 | 36 | Vertical | 365x32 | N(F) | page 54 |
| OA7-2.0V/1376 | 1.92 - 2.17 | 6.3 | 360 | 21 | Vertical | 591x36/75 Ø | N(F) | |
| OA7-2.0V/9009 | 1.92 - 2.17 | 6.3 | 360 | 21 | Vertical | 586x36 Ø | N(F) | page 54 |
| EVD2-2050-UB/974 | 1.92 - 2.17 | 2 | Request datasheet | | Vertical | 160x62 Ø | SMA(M) 2.5m cable | |

Group 3 - 2GHz to 3GHz













Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---|---|---|---|---|---|------------------|--------------------|------------|
| EVD2-1920-2175/548 | 1.92 - 2.175 | 1 to 2 | 360 | 80 | Vertical | 180x26 Ø | N(F) | |
| EVD2-1920-2175-D1/1128 | 1.92 - 2.175 | 2 | 360 | 80 | Vertical | 150x29 Ø | N(F) | ▲ |
| EVD2-1920-2175-NM/669 | 1.92 - 2.175 | 1 to 2 | 360 | 80 | Vertical | 185x26 Ø | N(M) | |
| EVD2-2050-UBI/932 | 1.92 - 2.175 | >0 | 360 | 80 | Vertical | 160x62 Ø | SMA(M) 1m cable | above |
| SBA-2.0/1418 blade | 1.98 - 2.01 | 2 | 360 | 60 | Vertical | 97x50x41 | MCX 90 100mm cable | |
| FVD2-2050/832 | 1.99 - 2.11 | 2 | 360 | 80 | Vertical | 650x22 Ø | N(F) | |
| SVD2-2100/868 | 2.00 - 2.19 | 2 | 360 | 80 | Vertical | 106x6 Ø | SMA(M) | ▲ |
| FVD2-2.1-NM/1474 | 2.00 - 2.20 | 2 | 360 | 80 | Vertical | 305x26 Ø | N(M) | ▲ |
| SVD2-2.1V/1586 | 2.00 - 2.25 | 2 | 360 | 80 | Vertical | 105x7 Ø | SMA(M) | ▲ |
| OA4-2.3V/1871 | 2.00 - 2.25 | 4 | 360 | 40 | Vertical | 310x75 Ø | N(F) | |
| VOA4-2150/1093 | 2.00 - 2.25 | 4 | 360 | 40 | Vertical | 380x36 Ø | N(F) | |
| VOA4-2150/1335 | 2.00 - 2.25 | 4 | 360 | 40 | Vertical | 380x36 Ø | N(F) | |
| XV09-2150-D2/870 | 2.00 - 2.30 | 9.5 | 360 | 8 | Vertical | 1006x104 Ø | N(F) | |
| OA2-2.3V/1842 | 2.00 - 2.50 | 1.6 | 360 | 90 | Vertical | 87x14 Ø | SMA(M) | ▲ |
| SVD2-2.3V/1714 | 2.00 - 2.50 | 2 | 360 | 80 | Vertical | 103x16 Ø | SMA(M) 90° | |
| SVD2-2.3V/1779 | 2.00 - 2.50 | 2 | 360 | 80 | Vertical | 108x16 Ø | SMA(M) | ▲ |
| EVD2-1920-2175-D1/1128 | SVD2-2100/868 | FVD2-2.1-NM/1474 | SVD2-2.1V/1586 | OA2-2.3V/1842 | SVD2-2.3V/1779 | | | |
|  |  |  |  |  |  | | | |
| SBA-2.3V/1470 blade | 2.00 - 2.50 | 2 | 360 | 50 | Vertical | 89x30x3 | SMA(F) | ▲ |
| SBA-2.5V/1739 blade | 2.00 - 2.50 | 2 | 360 | 50 | Vertical | 89x30x3 | SMA(F) | |
| XPO2V-2.0-18.0/1397 | 2.00 - 18.00 | 2 | 360 | 70 | Vertical | 104x39 Ø | N(F) | ▲ |
| XV09-2150/708 | 2.02 - 2.28 | 9.5 | 360 | 8 | Vertical | 1006x106 Ø | N(F) | |
| VOA7-2170/667 | 2.07 - 2.28 | 6 | 360 | 20 | Vertical | 558x57 Ø | N(F) | |
| EVD2-2200/295 | 2.10 - 2.30 | 2 | 360 | 80 | Vertical | 185x26 Ø | N(F) | |
| SBA-2.3V/1470 | XPO2V-2.0-18.0/1397 | RCO10-2200/1099 | OA2-2.3L/1676 | OA4-2.3R/1697 | RCO5-2250/203 | | | |
|  |  |  |  |  |  | | | |
| EVD2-2200-N(M)/1208 | 2.10 - 2.30 | 2 | 360 | 80 | Vertical | 190x26 Ø | N(M) | |
| RCO10-2200/1099 | 2.10 - 2.30 | 7 | 360 | 12 | Right Circular | 961x104 Ø | N(F) | ▲ |
| VOA7-2200/862 | 2.12 - 2.28 | 7 | 360 | 20 | Vertical | 575x36 Ø | N(F) | above |
| VOA7-2200/032 | 2.12 - 2.28 | 7 | 360 | 20 | Vertical | 575x36 Ø | N(F) | |
| OA2-2.3L/1676 | 2.155 - 2.405 | 1 to 2 | 360 | 90 | Left Circular | 119x80 Ø | N(F) | ▲ |
| OA4-2.3R/1697 | 2.20 - 2.30 | 4 | 360 | 40 | Right Circular | 245x104 Ø | QN(M) | ▲ |
| VOA4-2250-DTC/1220 | 2.20 - 2.30 | 4.4 | 360 | 44 | Vertical | 185x32 Ø | TNC(F) | |
| RCO5-2250/203 | 2.20 - 2.30 | 5 | 360 | 40 | Right Circular | 385x104 Ø | N(F) | ▲ |

Catalogue







Group 3 - 2GHz to 3GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---|---|---|---|---|---|------------------|-----------------|------------|
| VOA10UT4-VOA4UT25-LPA5-2265/827 (2-VOA4UT25) (3-LPA5) | 2.20 - 2.335 | 1=9.5, 2=4, 3=6 | 1=360 2=360 3=70 | 1=7.5 2=30 3=70 | 1=Vertical 2=Vertical 3=Right Circular | 1505x150 Ø | N(F) x3 | |
| SVD2-2300/427 | 2.20 - 2.34 | 2 | 360 | 80 | Vertical | 103x11 Ø | SMA(M) | ▲ |
| SBA-2295/1299 blade | 2.20 - 2.39 | 2 | 360 | 80 | Vertical | 90x30x3 | SMA(F) | ▲ |
| EVD2- 2.3V/1639 | 2.20 - 2.40 | 2 | 360 | 60 | Vertical | 160x45 Ø | N(F) | |
| EVD2-2.3/1406 | 2.20 - 2.40 | 2 | 360 | 80 | Vertical | 178x26 Ø | N(F) | ▲ |
| EVD2-2.4/1654 | 2.20 - 2.40 | 2 | 360 | 80 | Vertical | 159x45 Ø | N(F) | ▲ |
| FVD2-2.3/1472 | 2.20 - 2.40 | 2 | 360 | 80 | Vertical | 305x26 Ø | N(M) | |
| FVD2-2300-NM/1235 | 2.20 - 2.40 | 2 | 360 | 80 | Vertical | 456x26 Ø | N(M) | ▲ |
| SVD2-2300/1204 | 2.20 - 2.40 | 2 | 360 | 80 | Vertical | 109x11 Ø | SMA(M) | ▲ |
| SVD2-2300/427 | SBA-2295/1299 | EVD2-2.3/1406 | EVD2-2.4/1654 | FVD2-2300-NM/1235 | SVD2-2300/1204 | | | |
|  |  |  |  |  |  | | | |
| OA4-2.3V/1453 | 2.20 - 2.40 | 4 | 360 | 40 | Vertical | 330x36 Ø | N(F) | ▲ |
| EVD2-2.4/1478 | 2.20 - 2.50 | 2 | 360 | 80 | Vertical | 190x26 Ø | N(M) | ▲ |
| OA9-2.3R-UT4/1507 | 2.20 - 2.50 | 8.6 | 360 | 11 | Right Circular | 891x104 Ø | N(F) | |
| LC05-2300/1111 | 2.25 - 2.35 | 4 | 360 | 40 | Left Circular | 276x104 Ø | SMA(F) | |
| SVD2-2.3V/1588 | 2.25 - 2.50 | 2 | 360 | 80 | Vertical | 100x7 Ø | SMA(M) | ▲ |
| OA2-2.4V/1392 | 2.25 - 4.00 | 2 | 360 | 65 | Vertical | 185x32 Ø | TNC(F) | ▲ |
| LC010-2350/720 | 2.27 - 2.43 | 10 | 360 | 10 | Left Circular | 885x104 Ø | N(F) | |
| LC07-2350/1018 | 2.27 - 2.43 | 6 | 360 | 20 | Left Circular | 581x110 Ø | N(F) | |
| OA6-2.4R/1549 | 2.27 - 2.43 | 6 | 360 | 20 | Right Circular | 580x104 Ø | N(F) | |
| VOA10-2340/459 | 2.28 - 2.38 | 10 | 360 | 10 | Vertical | 1008x57 Ø | N(F) | ▲ |
| OA2-2.3V/1413 | 2.28 - 2.42 | 2 | 360 | 95 | Vertical | 135x27 Ø | N(M) | ▲ |
| OA4-2.3V/1453 | EVD2-2.4/1478 | SVD2-2.3V/1588 | OA2-2.4V/1392 | VOA10-2340/459 | OA2-2.3V/1413 | | | |
|  |  |  |  |  |  | | | |
| OA6-2.4V/1720 | 2.28 - 2.55 | 6 | 360 | 21 | Vertical | 295x22 Ø | TNC(M) | above |
| OA4-2.5V/1369 | 2.28 - 2.70 | 4 | 360 | 40 | Vertical | 225x27 Ø | N(M) | above |
| OA4-2.5V/1542 | 2.28 - 2.70 | 4 | 360 | 40 | Vertical | 222x26 Ø | TNC(M) | above |
| OA4-2.4V/1653 | 2.295 - 2.555 | 4.3 | 360 | 40 | Vertical | 276x75 Ø | N(F) | above |
| OA4-2.4V/1653LDS | 2.295 - 2.555 | 4.3 | 360 | 40 | Vertical | 276x75 Ø | N(F) | |
| EVD2-2.3V/1706 | 2.30 - 2.40 | 2 | 360 | 80 | Vertical | 200x26 Ø | N(F) | |
| VOA4-2350-GDT/1336 | 2.30 - 2.40 | 4.2 | 360 | 37 | Vertical | 260x90 Ø | N(F) | |
| RCO10-2350R-D1/814 | 2.30 - 2.40 | 8 | 360 | 12 | Right Circular | 885x104 Ø | N(F) | |
| RCO10-2350/233 | 2.30 - 2.40 | 8 | 360 | 12 | Right Circular | 891x104 Ø | N(F) | |

Group 3 - 2GHz to 3GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---|---|---|---|---|---|------------------|---------------------|------------|
| FVD2-2.4V/1746 | 2.30 - 2.50 | 2 | 360 | 80 | Vertical | 305x26 Ø | N(M) | above |
| SVD2-2.4V/1565 | 2.30 - 2.50 | 2 | 360 | 80 | Vertical | 107x10 Ø | TNC(M) 90° | |
| RCO5-2400-MO2-D1/993 | 2.30 - 2.50 | 4 | 360 | 60 | Right Circular | 212x110 Ø | SMA(M) 90° 1m cable | |
| RCO5-2400-MO2/671 | 2.30 - 2.50 | 4 | 360 | 50 | Right Circular | 211x104 Ø | N(F) | ▲ |
| RCO5-2400-MO2/764 | 2.30 - 2.50 | 4 | 360 | 50 | Right Circular | 210x104 Ø | N(F) | |
| LCO5-2400-MO1/852 | 2.30 - 2.50 | 5 | 360 | 40 | Left Circular | 201x140 Ø | N(F) | ▲ |
| LCO5-2400/693 | 2.30 - 2.50 | 5 | 360 | 40 | Left Circular | 345x104 Ø | N(F) | ▲ |
| LCO5-2400/744 (black) | 2.30 - 2.50 | 5 | 360 | 40 | Left Circular | 345x104 Ø | N(F) | |
| MPO5-24R/244 | 2.30 - 2.50 | 5 | 360 | 40 | Right Circular | 204x104 Ø | SMA(F) | |
| RCO5-2400-D2/606 | 2.30 - 2.50 | 5 | 360 | 40 | Right Circular | 345x104 Ø | N(F) | |
| RCO5-2400-MO1/266 | 2.30 - 2.50 | 5 | 360 | 40 | Right Circular | 209x140 Ø | N(F) | |
| RCO5-2400/743 | 2.30 - 2.50 | 5 | 360 | 40 | Right Circular | 345x104 Ø | N(F) | |
| RCO5-2400/195 | 2.30 - 2.50 | 5 | 360 | 40 | Right Circular | 345x104 Ø | N(F) | |
| OA10-2.4V/1655 | 2.30 - 2.55 | 9 | 360 | 13 | Vertical | 908x57 Ø | N(F) | ▲ |
| FVD2-2337/677 | 2.332 - 2.345 | 2 | 360 | 80 | Vertical | 130x19 Ø | N(M) | ▲ |
| SVD2-2340/460 | 2.332 - 2.345 | 2 | 360 | 80 | Vertical | 105x5 Ø | SMA(M) | |
| RCO3-2460-502/479 | 2.34 - 2.46 | 3 | 360 | 70 | Right Circular | 163x75 Ø | SMA(F) | |
| SVD2-2450-SM90/480 | 2.34 - 2.55 | 2 | 360 | 80 | Vertical | 100x13 Ø | SMA(M) 90° | |
| LCO3-2460-502/737 | 2.34 - 2.46 | 3 | 360 | 70 | Left Circular | 163x75 Ø | SMA(F) | |
| RCO3-2460-502-CCP/537 | 2.34 - 2.46 | 3 | 360 | 70 | Right Circular | 163x75 Ø | SMA RP | ▲ |
| RCO5-2400-MO2/671 | LCO5-2400-MO1/852 | LCO5-2400/693 | OA10-2.4V/1655 | FVD2-2337/677 | RCO3-2460-502-CCP/537 | | | |
|  |  |  |  |  |  | | | |
| RCO3-2400-502-SMA-D1/907 | 2.34 - 2.48 | 3 | 360 | 70 | Right Circular | 163x75 Ø | SMA(F) | |
| RCO3-2460-502-SMA(M)/520 | 2.34 - 2.48 | 3 | 360 | 70 | Right Circular | 163x75 Ø | SMA(M) | ▲ |
| RCO3-2460-D2/968 | 2.34 - 2.60 | 1.5 | 360 | 80 | Right Circular | 163x75 Ø | SMA(M) 0.305m cable | |
| RCO3-2460-D3/1026 | 2.34 - 2.60 | 1.5 | 360 | 80 | Right Circular | 163x75 Ø | SMA(M) 0.11m cable | |
| SVD2-2400-N(M)/1022 | 2.35 - 2.45 | 2 | 360 | 80 | Vertical | 127x7 Ø | N(M) | ▲ |
| SVD2-2400/786 | 2.35 - 2.45 | 2 | 360 | 80 | Vertical | 109x7 Ø | SMA(M) | ▲ |
| EVD2-2450-D2/631 | 2.35 - 2.55 | 2 | 360 | 80 | Vertical | 150x14 Ø | N(F) | ▲ |
| EVD2-2460-NM/740 | 2.35 - 2.55 | 2 | 360 | 80 | Vertical | 170x26 Ø | N(M) | ▲ |
| SVD2-2450-NM90/315 | 2.35 - 2.55 | 2 | 360 | 80 | Vertical | 96x10 Ø | N(M) 90° | ▲ |
| EVD2-2450-D3/1129 | 2.35 - 2.55 | 2 | 360 | 80 | Vertical | 125x29 Ø | N(F) | above |
| EVD2-2460-D1/926 | 2.35 - 2.55 | 2 | 360 | 80 | Vertical | 180x25 Ø | N(F) | above |
| RCO3-2460-502/520 | SVD2-2400-N(M)/1022 | SVD2-2400/786 | EVD2-2450-D2/631 | EVD2-2460-NM/740 | SVD2-2450-NM90/315 | | | |
|  |  |  |  |  |  | | | |

Catalogue

Group 3 - 2GHz to 3GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------------------------------|------------------|-------------|----------------------|------|----------------|------------------|--------------------------|------------|
| EVD2-2460/086 | 2.35 - 2.55 | 2 | 360 | 80 | Vertical | 173x26 Ø | N(F) | ▲ |
| RCO5-2450-D1/837 | 2.35 - 2.55 | 4 | 360 | 40 | Right Circular | 216x104 Ø | SMA(F) | |
| RCO5-2450-D2/844 | 2.35 - 2.55 | 4 | 360 | 40 | Right Circular | 216x104 Ø | N(F) | |
| SVD2-2500/869 | 2.38 - 2.61 | 2 | 360 | 80 | Vertical | 104x6 Ø | SMA(M) | ▲ |
| SBA-2450-VOR/859 blade | 2.40 - 2.48 | -3 | 360 | 80 | Vertical | 68x15x43 | SMA(F) 0.1m cable | |
| SBA-2450-2300RG316/1184 blade | 2.40 - 2.50 | 2 | 360 | 80 | Vertical | 75x28x3 | SMA(M) 2.3m cable | |
| DSO3-2460-502-D1/871 | 2.40 - 2.50 | 1 | 360 | 90 | Dual ±45° | 163x75 Ø | RPBNC 1m cable x2 | ▲ |
| DVOA7-2450-DT/1014 | 2.40 - 2.50 | 7 | 360 | 20 | Vertical | 848x60 Ø | N(F) x2 | ▲ |
| DSO3-2460-502/1363 | 2.40 - 2.50 | 1.5 | 360 | 90 | Dual ±45° | 163x75 Ø | SMA(M) RP 0.5m cable x2 | |
| VOA10-2450/177 | 2.40 - 2.50 | 10 | 360 | 11.5 | Vertical | 908x57 Ø | N(F) | ▲ |
| DSO3-2460-502-D4/1048 | 2.40 - 2.50 | 1.5 | 360 | 90 | Dual ±45° | 163x75 Ø | RPBNC 0.5m LSHJ cable x2 | ▲ |

EVD2-2460/086



SVD2-2500/869



DSO3-2460-502-D1/871



DVOA7-2450-DT/1014



VOA10-2450/177



DSO3-2460-502-D4/1048



| | | | | | | | | |
|--------------------------------|-------------|-----|-----|----|----------------|------------------|---------------------|-------|
| DSO3-2460-502/510 | 2.40 - 2.50 | 1.5 | 360 | 90 | Dual ±45° | 8163x75 Ø | RPTNC 0.5m cable x2 | ▲ |
| FVD2-2500-NM/1236 | 2.40 - 2.50 | 2 | 360 | 80 | Vertical | 462x26 Ø | N(M) | |
| SVD2-2450-SMAF/951 | 2.40 - 2.50 | 2 | 360 | 80 | Vertical | 100x7 Ø | SMA(F) | |
| SVD2-2450/143 | 2.40 - 2.50 | 2 | 360 | 80 | Vertical | 95x10 Ø | SMA(M) | |
| SBA-2450-2400-RG316/1173 blade | 2.40 - 2.50 | 2 | 360 | 80 | Vertical | 75x25x3 | SMA(M) 2.4m cable | ▲ |
| SBA-2450-02/185 blade | 2.40 - 2.50 | 2 | 360 | 80 | Vertical | 67x25,100x9 base | SMA(F) | |
| EVD2-2450-TNC(M)/1213 | 2.40 - 2.50 | 2.9 | 360 | 52 | Vertical | 149,5x20 Ø | TNC(M) | ▲ |
| VOA3-2450-ANTI/1348 | 2.40 - 2.50 | 3 | 360 | 38 | Vertical | 185x32 Ø | N(F) | |
| VOA4-2450-DTC/1176 | 2.40 - 2.50 | 3.3 | 360 | 44 | Vertical | 185x32 Ø | TNC(F) | ▲ |
| VOA4-2450-HEL/817 | 2.40 - 2.50 | 4 | 360 | 40 | Vertical | 250x70 Ø | N(F) | above |
| VOA4-2450/1109 | 2.40 - 2.50 | 4 | 360 | 40 | Vertical | 255x70 Ø | N(F) | ▲ |
| VOA4-2450/184 | 2.40 - 2.50 | 4 | 360 | 40 | Vertical | 290x36 Ø | N(F) | |
| VOA4-2450/748 | 2.40 - 2.50 | 4 | 360 | 40 | Vertical | 290x36 Ø | N(F) | |
| Vector OA9-2450/9207 | 2.40 - 2.50 | 9 | 360 | 10 | Vertical | 908x57 Ø | N(F) | |
| RCO3-2460-502-2/222 | 2.40 - 2.55 | 1.5 | 360 | 80 | Right Circular | 163x75 Ø | RP TNC(F) 1m cable | |
| RCO10-2460/255 | 2.40 - 2.55 | 10 | 360 | 10 | Right Circular | 891x104 Ø | N(F) | |

DSO3-2460-502/510



SBA-2450-2400-RG316/1173



EVD2-2450-TNC(M)/1213



VOA4-2450-DTC/1176



VOA4-2450/1109



Group 3 - 2GHz to 3GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|----------------------|------------------|-------------|----------------------|----|----------------|------------------|-----------------|------------|
| RCO3-2460-502-2/826 | 2.40 - 2.55 | 1.5 | 360 | 80 | Right Circular | 163x75 Ø | BNC(M) 1m cable | |
| LCO3-2460-502/689 | 2.40 - 2.55 | 3 | 360 | 70 | Left Circular | 163x75 Ø | N(F) | |
| LCO3-2460/727 | 2.40 - 2.55 | 3 | 360 | 70 | Left Circular | 163x75 Ø | N(F) | |
| RCO3-2460-502/092 | 2.40 - 2.55 | 3 | 360 | 70 | Right Circular | 163x75 Ø | N(F) | |
| RCO3-2460/726 | 2.40 - 2.55 | 3 | 360 | 70 | Right Circular | 163x75 Ø | N(F) | |
| RCO5-2450-502/367 | 2.40 - 2.55 | 5 | 360 | 40 | Right Circular | 254x118 Ø | N(F) | |
| RCO5-2450/725 | 2.40 - 2.55 | 5 | 360 | 40 | Right Circular | 345x104 Ø | N(F) | |
| RCO5-2450/156 | 2.40 - 2.55 | 5 | 360 | 40 | Right Circular | 346x104 Ø | N(F) | |
| RCO7-2460/135 | 2.40 - 2.55 | 7 | 360 | 20 | Right Circular | 581x104 Ø | N(F) | |
| FVD2-2500-D2/835 | 2.40 - 2.60 | 2 | 360 | 80 | Vertical | 183x18 Ø | N(M) | |
| FVD2-2500/833 | 2.40 - 2.60 | 2 | 360 | 80 | Vertical | 626x26 Ø | N(F) | |
| SVD2-2500-214/831 | 2.40 - 2.60 | 2 | 360 | 80 | Vertical | 350x22 Ø | N(M) | |
| Vector OA4-2.5V/9205 | 2.40 - 2.70 | 4.5 | 360 | 42 | Vertical | 291x36 Ø | N(F) | ▲ |
| Vector OA7-2.5V/9206 | 2.40 - 2.70 | 6.5 | 360 | 21 | Vertical | 505x36 Ø | N(F) | ▲ |
| VOA7-2500-HEL/228 | 2.42 - 2.57 | 7 | 360 | 20 | Vertical | 470x70 Ø | N(F) | ▲ |
| MPO5-25R/157 | 2.45 - 2.65 | 5 | 360 | 40 | Right Circular | 194x104 Ø | SMA(F) | |
| LCO5-2550-D1/824 | 2.45 - 2.68 | 4 | 360 | 40 | Left Circular | 202x110 Ø | SMA(F) | |

OA4-2.5V/9205

Vector OA7-2.5V/9206

VOA7-2500-HEL/228

FVD2-2600-D2/836

SVD2-2600-NM/892

FVD2-2.8/1528


| | | | | | | | | |
|-------------------|-------------|----|-----|------|----------------|-----------|--------|---|
| RCO5-2550/253 | 2.45 - 2.68 | 5 | 360 | 40 | Right Circular | 334x104 Ø | N(F) | |
| FVD2-2575-D1/1138 | 2.45 - 2.70 | 2 | 360 | 80 | Vertical | 347x26 Ø | N(M) | |
| FVD2-2.6/1473 | 2.50 - 2.70 | 2 | 360 | 80 | Vertical | 305x26 Ø | N(M) | |
| FVD2-2600-D2/836 | 2.50 - 2.70 | 2 | 360 | 80 | Vertical | 190x20 Ø | N(M) | ▲ |
| FVD2-2600-NM/1237 | 2.50 - 2.70 | 2 | 360 | 80 | Vertical | 468x26 Ø | N(M) | |
| FVD2-2600/834 | 2.50 - 2.70 | 2 | 360 | 80 | Vertical | 650x22 Ø | N(F) | |
| SVD2-2600-NM/892 | 2.50 - 2.70 | 2 | 360 | 80 | Vertical | 125x20 Ø | N(M) | ▲ |
| SVD2-2600/1187 | 2.50 - 2.70 | 2 | 360 | 80 | Vertical | 98x11 Ø | SMA(M) | |
| VOA4-2600/1140 | 2.50 - 2.70 | 4 | 360 | 43.5 | Vertical | 290x36 Ø | N(F) | |
| VOA7-2600/415 | 2.50 - 2.70 | 7 | 360 | 20 | Vertical | 505x36 Ø | N(F) | |
| VOA11-26/1095 | 2.50 - 2.70 | 10 | 360 | 10 | Vertical | 1133x31 Ø | 716(F) | |
| VOA7-2600-HEL/251 | 2.50 - 2.68 | 7 | 360 | 20 | Vertical | 470x70 Ø | N(F) | |
| FVD2-2.8/1528 | 2.70 - 2.90 | 2 | 360 | 80 | Vertical | 305x26 Ø | N(M) | ▲ |
| SVD2-2.8/1527 | 2.70 - 2.90 | 2 | 360 | 80 | Vertical | 124x10 Ø | SMA(M) | |
| SVD2-2.8/1540 | 2.70 - 2.90 | 2 | 360 | 80 | Vertical | 124x21 Ø | N(M) | |

Catalogue

Group 3 - 2GHz to 3GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az° el° | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|--------------------------|---|-----------------------|----------------------|----------|----------------------|------------------|--|------------|
| OMNI - MULTIBAND | | | | | | | | |
| OA2-0.1-6.0V/1692 | 0.10 - 0.50 0.50 - 6.00 | 0 | 360 | 80 | Vertical | 1250x140 Ø | N(F) x2 | ▲ |
| TEVD2-900-1800-2050/1016 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.17 | 2 | 360 | 80 | Vertical | 87x100 Ø | SMA(F) x3 | |
| 7EVD2-900-5850/1091 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.17 2.40 - 2.50 5.25 - 5.85 | 1 2 2 2 2 | 360 | 100 | Vertical | 103x220 Ø | SMA(F) x7 | |
| DEVD2-1800V-2050V/766 | 1.71 - 1.88 1.92 - 2.17 | 2 | 360 | 80 | Vertical | 87x100 Ø | SMA(F) x2 | |
| DOA-2.4V-3.4V-4.7V/1869 | 2.30 - 3.50 4.40 - 5.00 | 2.0 6.5 | 360 | 70 23 | Vertical Vertical | 433x23 Ø | TNC(M) 90° 0.254m cable TNC(M) 90° 0.508m cable | ▲ |
| OA3-2.4-5.4DS/1833 | 2.40 - 2.50 5.15 - 5.725 | 0 | 360 | 70 | Dual ±45° | 93x100 Ø | RP SMA(M) 1m cable x4 | ▲ |
| DSO3-24-54/1177 | 2.40 - 2.50 5.15 - 5.725 | 0 | n/a | n/a | Dual ±45° | 93x100 Ø | SMA(F) x4 | ▲ |
| OA3-2.4-5.4DS/1785 | 2.40 - 2.50 5.15 - 5.725 | 0 | n/a | n/a | Dual ±45° | 93x100 Ø | RPNMC(M) x2 RPSMA(M) x2 1m cables x4 | |
| DSO3-24-54/1491 | 2.40 - 2.50 5.15 - 5.725 | 0 | 360 | 70 | Dual ±45° | 93x100 Ø | SMA(F) x4 | |
| DSO3-24-54/1490 | 2.40 - 2.50 5.15 - 5.725 | 0 | 360 | 80 | Dual 45° | 93x100 Ø | SMA(F) x4 | |

OA2-0.1-6.0/1692



DOA-2.4V-3.4V-4.7V/1869



OA3-2.4-5.4DS/1833



DSO3-24-54/1177



HEMI OMNI

*All Hemi Omni Antennas feature 360° Azimuth. Elevation measurements are cuts at various positions in the radiation pattern.

| | | | | | | | |
|------------------------|-------------|---|-----|-----|----------------|----------|--------|
| HOA2-2150L/1234 | 2.05 - 2.25 | 2 | 360 | 100 | Left Circular | 178x74 Ø | N(F) |
| HOA2-2250R-N2/257 | 2.03 - 2.29 | 2 | 360 | 160 | Right Circular | 68x100 Ø | SMA(F) |
| HOA2-2250R-N1/464 | 2.05 - 2.35 | 2 | 360 | 160 | Right Circular | 68x100 Ø | SMA(F) |
| HOA2-24R-SMA/515 | 2.30 - 2.40 | 2 | 360 | 150 | Right Circular | 181x75 Ø | SMA(F) |
| HOA2-24L/739 | 2.30 - 2.60 | 2 | 360 | 160 | Left Circular | 178x74 Ø | N(F) |
| HOA2-24R/025 | 2.30 - 2.60 | 2 | 360 | 160 | Right Circular | 181x75 Ø | N(F) |
| HOA2-25R-Miniature/031 | 2.40 - 2.60 | 2 | 360 | 160 | Right Circular | 64x54 Ø | SMA(F) |

Group 4 - 3GHz to 4GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

DIRECTIONAL

DIRECTIONAL - SINGLE BAND

| | | | | | | | | |
|-----------------------|--------------|-----------------|----|----|----------------|------------|---------------|---------|
| BDPSA5-50800-D2/1160 | 0.50 - 8.00 | 5 | 80 | 70 | Circular | 488x356x22 | SMA(F) x2 | page 94 |
| BDFPA-0.6-4.0-RL/1313 | 0.60 - 4.00 | 4.5 | 75 | 75 | Circular | 280x227x50 | N(F) 1m cable | page 94 |
| FPA-0.6-6.0R/1562 | 0.60 - 6.00 | 1 to 6 | 70 | 70 | Circular | 50x219 Ø | N(F) | page 94 |
| FPA3-0.8-6.0R/1329 | 0.80 - 6.00 | 4.5 | 80 | 80 | Right Circular | 50x219 Ø | N(F) | page 94 |
| FPA3-0.8-6.0L/1812 | 0.80 - 6.00 | 4.5 | 80 | 80 | Left Circular | 50x219 Ø | N(F) | page 94 |
| PSA10401L/1169 | 1.00 - 4.00 | 4 to 6 | 90 | 90 | Left Circular | 42x150 Ø | N(F) | |
| PSA1040R/1366 | 1.00 - 4.00 | -5 to +7.5 | 75 | 75 | Right Circular | 80x100 Ø | SMA(F) | |
| PSA10401R/643 | 1.00 - 4.00 | 4 to 6 | 90 | 90 | Right Circular | 76x150 Ø | N(F) | |
| PSA0218L/1501 | 2.00 - 18.00 | 0 to -2 | 75 | 75 | Left Circular | 45x56 Ø | SMA(F) | |
| PSA0218R/1142 | 2.00 - 18.00 | 0 to -2 | 75 | 75 | Right Circular | 40x52 Ø | SMA(F) | page 94 |
| PSA0218L/1276 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Left Circular | 39x62 Ø | SMA(F) | page 94 |
| PSA0218R/1277 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Right Circular | 65x68 Ø | SMA(F) | page 95 |
| PSA0218R/1278 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Right Circular | 39x62 Ø | SMA(F) | page 95 |
| PSA0218L/1084 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Left Circular | 65x68 Ø | SMA(F) | page 95 |
| PSA0218L/1361 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Left Circular | 51x61 Ø | N(F) | page 95 |
| PSA0218R/1360 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Right Circular | 51x61 Ø | SMA(F) | page 95 |
| PSA0218L/1333 | 2.00 - 18.00 | -4(2-4) 2(4-18) | 75 | 75 | Left Circular | 51x61 Ø | SMA(F) | page 95 |
| PSA0218R/1362 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Right Circular | 51x61 Ø | N(F) | page 95 |
| LPA7-32R/783 | 3.10 - 3.30 | 8.5 | 80 | 80 | Right Circular | 10x93 Ø | SMA(F) | |
| FPA13-31R/687 | 3.13 - 3.38 | 14 | 35 | 35 | Right Circular | 195x163x13 | N(F) | |
| LPA7-34V/342 | 3.30 - 3.50 | 7 | 80 | 70 | Vertical | 13x84 Ø | SMA(F) | |
| FPA17-3.5L/1245 | 3.30 - 3.60 | 16.7 | 31 | 16 | Left Circular | 300x170x10 | SMA(F) | ▲ |
| FPA8-3.5R/1519 | 3.30 - 3.60 | 8 | 70 | 70 | Right Circular | 13x84 Ø | TNC(F) | ▲ |
| FPA8-3.5R/1846 | 3.30 - 3.60 | 8 | 70 | 70 | Right Circular | 13x84 Ø | SMA(F) | ▲ |
| LPA7-3450R/1304 | 3.30 - 3.60 | 8 | 70 | 70 | Right Circular | 13x84 Ø | N(F) | |

FPA17-3.5L/1245



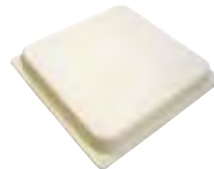
FPA8-3.5R/1519



FPA8-3.5R/1846



Vector FPA16-3.5V/9309



FPA16-3.4R/1658



FPA13-36V/603



| | | | | | | | | |
|------------------------|-------------|------|-----|-----|----------------|------------|-----------|---|
| Vector FPA17-3.5V/9309 | 3.30 - 3.80 | 17.5 | 23 | 23 | Vertical | 240x240x29 | N(F) | ▲ |
| Vector FPA25-3.5V/9339 | 3.30 - 3.80 | 24.5 | 8.2 | 8.3 | Vertical | 573x573x18 | N(F) | |
| FPA16-3.4R/1658 | 3.35 - 3.45 | 16 | 25 | 24 | Right Circular | 200x200x10 | N(F) | ▲ |
| FPA19-34R/062 | 3.35 - 3.55 | 19 | 20 | 20 | Right Circular | 271x271x12 | N(F) | |
| FPA19-34V/063 | 3.35 - 3.55 | 19 | 20 | 20 | Vertical | 271x271x12 | N(F) | |
| FPA13-35VH-D2/424 | 3.40 - 3.50 | 13 | 40 | 40 | Dual V&H | 159x159x10 | SMA(F) x2 | |
| FPA15-20A-40E-34V/325 | 3.40 - 3.50 | 15 | 20 | 40 | Vertical | 226x125x10 | N(F) | |
| LPA7X-35R/429 | 3.40 - 3.55 | 7 | 80 | 80 | Right Circular | 26x97 Ø | N(F) | |
| FPA13-36V/603 | 3.40 - 3.60 | 13 | 35 | 35 | Vertical | 208x159x10 | N(F) | ▲ |
| FPA13-36L/804 | 3.40 - 3.65 | 13 | 40 | 40 | Left Circular | 118x118x10 | SMA(F) | |

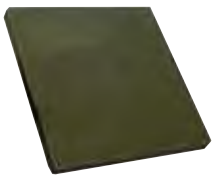
Catalogue

Group 4 - 3GHz to 4GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------------------|------------------|-------------|----------------------|----|----------------|------------------|-----------------|------------|
| FPA13-36R/273 | 3.40 - 3.65 | 13 | 40 | 40 | Right Circular | 118x118x10 | SMA(F) | ▲ |
| LPA7-36L/1368 | 3.40 - 3.65 | 7 | 80 | 80 | Left Circular | 10x84 Ø | SMA(F) | |
| LPA7-36R/272 | 3.40 - 3.65 | 7 | 80 | 80 | Right Circular | 10x84 Ø | SMA(F) | |
| FPA19-3550-SL/754 | 3.40 - 3.70 | 19 | 14 | 14 | Vertical | 286x286x10 | SMA(F) | |
| FPA24-35V-DC/747 | 3.40 - 3.72 | 24 | 8 | 8 | Vertical | 573x573x18 | N(F) | above |
| FPA19-3600/811 | 3.40 - 3.72 | 19 | 15 | 15 | Vert or Horiz | 377x377x11 | SMA(F) | |
| FPA19-39V-D1/190 | 3.60 - 4.10 | 19 | 20 | 20 | Vertical | 238x238x10 | SMA(F) | ▲ |
| LPA7-38R/608 | 3.70 - 3.90 | 7 | 60 | 60 | Right Circular | 10x84 Ø | SMA(F) | |
| FPA13-39V/209 | 3.70 - 4.10 | 13 | 40 | 40 | Vertical | 118x118x10 | SMA(F) | |
| LPA7-40R/1051 | 3.70 - 4.20 | 8 | 65 | 65 | Right Circular | 64x64x26 | SMA(F) | |

FPA13-36R/273



FPA19-39V-D1/190



Group 4 - 3GHz to 4GHz

SECTOR

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

SECTOR

| | | | | | | | | |
|---------------------------|-------------|------|-----|------|----------------|-------------|--------------------|---|
| SA6-180-36V/558 | 3.00 - 4.30 | 6 | 180 | 35 | Vertical | 205x75 Ø | SMA(F) | ▲ |
| HDA-3.3V/1543 blade | 3.10 - 3.40 | 4.7 | 160 | 75 | Vertical | 82x38x47 | SMA(M) 0.25m cable | |
| SA13-60-3.4H/1466 | 3.30 - 3.50 | 13 | 70 | 18 | Horizontal | 251x65x10 | SMA(F) | ▲ |
| SA13-60-3.4V/1467 | 3.30 - 3.50 | 12.6 | 74 | 19.5 | Vertical | 251x50x10 | SMA(F) | |
| SA13-180-34V/064 | 3.30 - 3.55 | 13 | 180 | 10 | Vertical | 698x79 Ø | N(F) | |
| SA14-90-35R/941 | 3.30 - 3.60 | 14 | 90 | 10 | Right Circular | 840x159x155 | N(F) | |
| Vector SA17-60-3.5DS/9319 | 3.30 - 3.72 | 17.2 | 65 | 9 | Dual ±45' | 650x200x101 | N(F) x2 | ▲ |
| Vector SA11wimax/9318 | 3.30 - 3.80 | 11 | 120 | 12 | Vertical | 385x54x12 | MCX 90' 1.5m cable | ▲ |
| Vector SA12-180-3.5V/9305 | 3.30 - 3.80 | 13.4 | 180 | 8 | Vertical | 650x200x100 | N(F) | |
| Vector SA14-120-3.5V/9313 | 3.30 - 3.80 | 14.8 | 120 | 8 | Vertical | 650x200x100 | N(F) | ▲ |

SA6-180-36V/558



SA13-60-3.4H/1466



SA17-60-3.5DS/9319



SA11wimax/9318



SA14-120-3.5V/9313



| | | | | | | | | |
|---------------------------|--------------|------|-----|-----|------------|--------------|--------|-------|
| Vector SA15-90-3.5V/9312 | 3.30 - 3.80 | 15.4 | 90 | 8 | Vertical | 650x200x100 | N(F) | |
| SA15-90-3.5V/1438 | 3.30 - 3.80 | 15 | 98 | 8 | Vertical | 325x200x100 | N(F) | |
| SA16-60-35V/934 | 3.30 - 3.80 | 16 | 60 | 10 | Vertical | 590x265x50 | N(F) | |
| SA16-60-35V/953 | 3.30 - 3.80 | 16 | 60 | 10 | Vertical | 590x265x50 | N(F) | |
| Vector SA16-60-3.5H/9315 | 3.30 - 3.80 | 16.7 | 60 | 8 | Horizontal | 650x200x100 | N(F) | |
| Vector SA15-120-3.5V/9304 | 3.30 - 3.80 | 16.8 | 120 | 5.5 | Vertical | 1100x200x101 | N(F) | ▲ |
| Vector SA17-90-3.5V/9303 | 3.30 - 3.80 | 17.1 | 90 | 5.5 | Vertical | 1100x200x101 | N(F) | |
| Vector SA17-60-3.5V/9301 | 3.30 - 3.80 | 17.5 | 60 | 8 | Vertical | 650x200x100 | N(F) | |
| Vector SA19-60-3.5V/9314 | 3.30 - 3.80 | 19 | 60 | 5 | Vertical | 1100x200x101 | N(F) | ▲ |
| SA13-180-34V/1339 | 3.35 - 3.55 | 13 | 180 | 10 | Vertical | 696x50 Ø | N(F) | ▲ |
| SA12-160-3450V/988 | 3.375 - 3.75 | 11 | 200 | 9 | Vertical | 575x75 Ø | SMA(F) | |
| SA13-34H/324 | 3.40 - 3.50 | 13 | 80 | 20 | Horizontal | 251x50x10 | N(F) | |
| SA13-34V/323 | 3.40 - 3.50 | 13 | 80 | 20 | Vertical | 251x50x10 | N(F) | ▲ |
| SA15-120H-35B-D2/750 | 3.40 - 3.60 | 12 | 120 | 7 | Horizontal | 840x159x82 | N(F) | above |
| SA15-120H-35B-D1/506 | 3.40 - 3.60 | 12 | 120 | 7 | Horizontal | 840x159x83 | 716(F) | |
| SA15-120H-35B/529 | 3.40 - 3.60 | 12 | 120 | 7 | Horizontal | 840x159x80 | 716(F) | |

SA15-120-3.5V/9304



SA19-60-3.5V/9314



SA13-180-34V/1339



SA13-34V/323



Catalogue

Group 4 - 3GHz to 4GHz

Sector

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---------------------------|------------------|-------------|----------------------|-----|----------------|------------------|---------------------|------------|
| SA13-120FP-35H/660 | 3.40 - 3.60 | 13 | 120 | 10 | Horizontal | 499x242x93 | 716(F) | |
| SA13-120FP-35V/659 | 3.40 - 3.60 | 13 | 120 | 10 | Vertical | 507x232x95 | 716(M) | above |
| SA13-180V-35B-D2/493 | 3.40 - 3.60 | 13 | 180 | 7 | Vertical | 840x159x80 | N(F) | |
| SA14-90-35R-D1/1033 | 3.40 - 3.60 | 13 | 80 | 10 | Right Circular | 580x96 Ø | N(F) | ▲ |
| SA13-180V-35B-D1/504 | 3.40 - 3.60 | 13 | 180 | 7 | Vertical | 840x159x83 | 716(F) | |
| SA15-120V-35B-D1/505 | 3.40 - 3.60 | 14 | 120 | 7 | Vertical | 840x159x83 | N(F) | |
| SA15-120V-35B-D2/678 | 3.40 - 3.60 | 14 | 120 | 7 | Vertical | 840x159x83 | N(F) | |
| SA15-120V-35B/528 | 3.40 - 3.60 | 14 | 120 | 7 | Vertical | 840x159x80 | 716(F) | |
| SA17-60H-35B-D1/509 | 3.40 - 3.60 | 15 | 60 | 7 | Horizontal | 840x159x83 | 716(F) | |
| SA16-60-35V-D1/780 | 3.40 - 3.60 | 15.5 | 60 | 10 | Vertical | 474x88x10 | 716(F) | ▲ |
| SA16-60-38V/554 | 3.40 - 3.60 | 16 | 65 | 10 | Vertical | 474x88x10 | N(F) | above |
| SA17-60V-35B-D1/508 | 3.40 - 3.60 | 16 | 60 | 7 | Vertical | 840x159x83 | 716(F) | |
| SA17-60H-35B/440 | 3.40 - 3.60 | 16 | 75 | 7 | Horizontal | 840x159x80 | 716(F) | |
| SA17-60V-35B/439 | 3.40 - 3.60 | 17 | 60 | 7 | Vertical | 840x159x79 | 716(F) | |
| SA18-30-35V/500 | 3.40 - 3.60 | 18 | 30 | 8 | Vertical | 597x233x12 | N(F) | |
| SA16-35V-BRE/683 | 3.40 - 3.70 | 16 | 60 | 10 | Vertical | 474x117x10 | MCX(M) 00.1m cable | |
| SA16-35V-WM/978 | 3.40 - 3.70 | 16 | 60 | 10 | Vertical | 474x117x10 | SMB(F) 0.165m cable | |
| Vector SA14-120-3.5H/9317 | 3.40 - 3.72 | 13.8 | 120 | 8 | Horizontal | 650x200x100 | N(F) | |
| SA13-180V-35B-D3/800 | 3.40 - 3.72 | 14 | 180 | 10 | Vertical | 840x159x82 | N(F) | |
| SA13-120V-35B-D3/801 | 3.40 - 3.72 | 15 | 120 | 7 | Vertical | 840x159x82 | N(F) | |
| SA16-60-35H/584 | 3.40 - 3.72 | 16.5 | 60 | 50 | Horizontal | 474x88x10 | N(F) | |
| SA16-60-35V/579 | 3.40 - 3.72 | 16.5 | 60 | 10 | Vertical | 474x88x10 | N(F) | ▲ |
| Vector SA16-60-3.5V/9302 | 3.40 - 3.80 | 16 | 60 | 10 | Vertical | 590x265x50 | N(F) | |
| Vector SA15-90-3.5H/9316 | 3.40 - 3.80 | 14.7 | 90 | 8 | Horizontal | 650x200x100 | N(F) | |
| SA13-180-35H-D1/838 | 3.42 - 3.50 | 10 | 180 | 7 | Horizontal | 840x159x80 | N(F) | |
| SA13-180-35H/406 | 3.42 - 3.50 | 10 | 180 | 7 | Horizontal | 840x159x80 | 716(F) | |
| Vector SA15-120-3.7V/9335 | 3.60 - 3.80 | 14.9 | 115 | 8 | Vertical | 650x200x101 | N(F) | |
| Vector SA15-90-3.7V/9334 | 3.60 - 3.80 | 15.4 | 95 | 8 | Vertical | 650x200x101 | N(F) | |
| Vector SA17-60-3.7V/9333 | 3.60 - 3.80 | 17.2 | 62.5 | 7.5 | Vertical | 650x200x101 | N(F) | |
| SA13-120-38H/446 | 3.60 - 4.00 | 13 | 130 | 12 | Horizontal | 840x159x83 | N(F) | |
| SA13-120-38V/443 | 3.60 - 4.00 | 13 | 125 | 9 | Vertical | 840x159x83 | N(F) | |
| SA16-60-38H/585 | 3.60 - 4.00 | 16 | 60 | 10 | Horizontal | 474x88x10 | N(F) | |
| SA10-40R/1052 | 3.70 - 4.20 | 10 | 70 | 40 | Right Circular | 115x64x16 | SMA(F) | |
| SA10-4.0L/1852 | 3.70 - 4.20 | 10 | 70 | 40 | Left Circular | 115x64x16 | SMA(F) | |
| SA12-160-39V/896 | 3.80 - 4.00 | 12 | 175 | 8.5 | Vertical | 550x75 Ø | SMA(F) | |
| SA9-160-39V/1010 | 3.80 - 4.00 | 9 | 160 | 20 | Vertical | 347x75 Ø | SMA(F) | |

SA14-90-35R-D1/1033



SA16-60-35V/780



SA16-60-35V/579



Group 4 - 3GHz to 4GHz

Sector

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---------------------|------------------|---------------------------|----------------------|------------|----------------|------------------|-----------------|------------|
| MULTI-SECTOR | | | | | | | | |
| MSA5-3.3L/1407 | 3.20 - 3.40 | 12.5 sector 8 overhead | 68 64 | 16.7 62 | Left Circular | 583x156 Ø | - | ▲ |
| MSA5-3.4V/1435 | 3.35 - 3.55 | 13 | 80 | 16.5 | Vertical | 583x156 Ø | SMA(F) x5 | ▲ |
| MSA7-16-35R/497 | 3.40 - 3.50 | 15 sector 7 overhead | 70 70 | 10 60 | Right Circular | 681x156 Ø | N(F) | ▲ |
| MSA5-34R-ECS/374 | 3.40 - 3.60 | 13 sector 7 overhead | 80 80 | 20 80 | Right Circular | 708x156 Ø | N(F) | ▲ |
| MSA5-34L-ECS/963 | 3.40 - 3.60 | 13 sector 7 overhead | 80 80 | 20 80 | Left Circular | 606x156 Ø | N(F) | |
| DSA17-35V/462 | 3.40 - 3.60 | 17 | 65 | 7 | Vertical | 816x201x12 | N(F) x2 | ▲ |

MSA5-3.3L/1407



Base of MSA5-3.4V/1435



MSA7-16-35R/497



MSA5-34R-ECS/374



DSA17-35V/462



Catalogue

Group 4 - 3GHz to 4GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

OMNI

OMNI - SINGLE BAND

| | | | | | | | | |
|-----------------------|--------------|---|-----|----|----------|-----------|------|---------|
| OA2-0.3-10.0V/1667 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1668 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1505 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.8-6.0V/1665 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| OA2-0.8-6.0V/1666 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| XPO2V-0.8-6.0-GF/1441 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | page 96 |
| XPO2V-0.8-6.0/1485 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x79 Ø | N(F) | page 96 |
| OA2-0.85-6.0V/1699 | 0.84 - 6.00 | 1 | 360 | 60 | Vertical | 170x60 Ø | N(F) | page 96 |
| OA2-1.0-6.0V/1794 | 1.00 - 6.00 | 1 | 360 | 80 | Vertical | 213x80 Ø | N(F) | page 97 |
| XPO2V-1.0-6.0/1442 | 1.00 - 6.00 | 2 | 360 | 70 | Vertical | 134x80 Ø | N(F) | page 97 |
| XPO2V-1.0-6.0/1512 | 1.00 - 6.00 | 2 | 360 | 70 | Vertical | 134x80 Ø | N(F) | page 97 |
| OA2-1.7-6.0V/1624 | 1.70 - 6.00 | 2 | 360 | 70 | Vertical | 104x35 Ø | N(F) | |
| XPO2V-2.0-18.0/1397 | 2.00 - 18.00 | 2 | 360 | 70 | Vertical | 104x39 Ø | N(F) | page 97 |

EVD2-3.2/1398



EVD2-3.2/1401



OA5-3.3L/1402



SVD2-3350/1126



LC05-3450-M01/1434















RCO5-3450-H1/494



| | | | | | | | | |
|--------------------------|-------------|-----|-----|------|----------------|-----------|--------|-------|
| SBA3150/731 blade | 3.00 - 3.30 | 2 | 360 | 80 | Vertical | 100x25x54 | SMA(F) | |
| OA2-3.4V/1938 | 3.00 - 3.80 | 2 | 360 | 70 | Vertical | 83x14 Ø | SMA(M) | |
| EVD2-3.2/1398 | 3.10 - 3.35 | 2 | 360 | 80 | Vertical | 123x45 Ø | N(F) | ▲ |
| EVD2-3.2/1401 | 3.10 - 3.35 | 2 | 360 | 80 | Vertical | 150x25 Ø | N(F) | ▲ |
| OA4-3.2V/1399 | 3.10 - 3.35 | 4 | 360 | 43 | Vertical | 300x36 Ø | N(F) | |
| OA4-3.3V/1642 | 3.10 - 3.40 | 4.5 | 360 | 40 | Vertical | 205x25 Ø | TNC(M) | |
| OA5-3.3L/1402 | 3.25 - 3.35 | 4.2 | 360 | 38.5 | Left Circular | 318x82 Ø | N(F) | ▲ |
| SVD2-3350/1126 | 3.25 - 3.45 | 2 | 360 | 80 | Vertical | 72x7 Ø | SMA(M) | ▲ |
| Vector OA10-3.4V/9323 | 3.30 - 3.50 | 10 | 360 | 9 | Vertical | 785x36 Ø | N(F) | |
| Vector OA11-HP-3.5V/9307 | 3.30 - 3.72 | 11 | 360 | 7 | Vertical | 907x96 Ø | N(F) | |
| Vector OA11-3.5V/9306 | 3.30 - 3.72 | 11 | 360 | 7 | Vertical | 907x96 Ø | N(F) | |
| Vector OA7-3.5V/9321 | 3.30 - 3.80 | 7 | 360 | 20 | Vertical | 405x36 Ø | N(F) | above |
| XPO2V-30-42/560 | 3.30 - 4.20 | 4 | 360 | 40 | Vertical | 205x75 Ø | SMA(F) | |
| XV010-3450/065 | 3.35 - 3.55 | 9.4 | 360 | 10 | Vertical | 600x96 Ø | N(F) | |
| LC03-3450-502/866 | 3.35 - 3.55 | 3 | 360 | 80 | Left Circular | 163x75 Ø | N(F) | |
| RCO3-3450-502/486 | 3.35 - 3.55 | 3 | 360 | 80 | Right Circular | 163x75 Ø | N(F) | |
| LC05-3450-M01/1434 | 3.35 - 3.55 | 4 | 360 | 40 | Left Circular | 245x140 Ø | N(F) | ▲ |
| RCO5-3450-H1/494 | 3.35 - 3.55 | 4 | 360 | 40 | Right Circular | 387x80 Ø | N(F) | ▲ |
| LC010-3450/753 | 3.35 - 3.55 | 8 | 360 | 12 | Left Circular | 627x79 Ø | N(F) | |
| RCO5-3450-M01/518 | 3.35 - 3.55 | 4 | 360 | 40 | Right Circular | 245x140 Ø | N(F) | above |
| LC05-3450-H1/964 | 3.35 - 3.55 | 4 | 360 | 40 | Left Circular | 387x80 Ø | N(F) | above |
| RC010-3450/487 | 3.35 - 3.55 | 8 | 360 | 12 | Right Circular | 717x79 Ø | N(F) | |

Group 4 - 3GHz to 4GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---|---|---|---|---|---|------------------|-----------------|------------|
| SBA4-3450/987 blade | 3.375 - 3.75 | 4 | 360 | 40 | Vertical | 44x3x112 | SMA(F) | |
| EVD2-3.5/1433 | 3.40 - 3.50 | 2 | 360 | 80 | Vertical | 174x45 Ø | N(F) | above |
| EVD2-3450/225 | 3.40 - 3.50 | 2 | 360 | 80 | Vertical | 178x26 Ø | N(F) | ▲ |
| LC05-3450-D1/996 | 3.40 - 3.50 | 4 | 360 | 50 | Left Circular | 234x98 Ø | SMA(F) | |
| RC05-3450/236 | 3.40 - 3.50 | 5 | 360 | 40 | Right Circular | 294x83 Ø | N(F) | |
| LC05-3450/813 | 3.40 - 3.50 | 5 | 360 | 40 | Left Circular | 298x83 Ø | N(F) | |
| Vector OA10-3.5V/9320 | 3.40 - 3.60 | 10 | 360 | 9 | Vertical | 765x36 Ø | N(F) | ▲ |
| XV011-3500-D1/771 | 3.40 - 3.60 | 10.5 | 360 | 7 | Vertical | 904x98 Ø | 716(F) | |
| SBA3500/732 blade | 3.40 - 3.60 | 2 | 360 | 80 | Vertical | 100x25x54 | SMA(F) | |
| EVD2-3450/225 | Vector OA10-3.5V/9320 | EVD2-3.5V/1691 | OA6-3.5V/1625 | OA8-3.5V/1626 | RCO10-3500/931 | | | |
|  |  |  |  |  |  | | | |
| EVD2-3.5V/1691 | 3.40 - 3.60 | 2 | 360 | 80 | Vertical | 190x26 Ø | N(M) | ▲ |
| OA6-3.5V/1625 | 3.40 - 3.60 | 7 | 360 | 20 | Vertical | 355x27 Ø | N(M) | ▲ |
| OA8-3.5V/1626 | 3.40 - 3.60 | 8.5 | 360 | 17 | Vertical | 465x27 Ø | N(M) | ▲ |
| RCO10-3500/931 | 3.40 - 3.60 | 9 | 360 | 12 | Right Circular | 647x85 Ø | N(F) | ▲ |
| RCO10-3500-D1/1185 | 3.40 - 3.60 | 9 | 360 | 12 | Right Circular | 579x79 Ø | N(F) | |
| SVD2-3450/426 | 3.40 - 3.65 | 2 | 360 | 80 | Vertical | 75x11 Ø | SMA(M) | ▲ |
| VOA7-36/1146 | 3.40 - 3.80 | 6 | 360 | 70 | Vertical | 356x31 Ø | N(F) | ▲ |
| VOA4-3450-HEL/237 | 3.42 - 3.50 | 4 | 360 | 40 | Vertical | 209x70 Ø | N(F) | |
| VOA4-3450/428 | 3.50 - 3.57 | 4 | 360 | 40 | Vertical | 245x36 Ø | N(F) | |
| RCO9-3700/1343 | 3.60 - 3.80 | 8.5 | 360 | 12 | Right Circular | 557x79 Ø | N(F) | ▲ |
| Vector OA10-3.7V/9324 | 3.60 - 3.80 | 9.4 | 360 | 9 | Vertical | 730x36 Ø | N(F) | |
| SVD2-3450/426 | VOA7-36/1146 | RCO9-3700/1343 | EVD2-38/1039 | SBA-38/919 | OA2-0.1-6.0/1692 | | | |
|  |  |  |  |  |  | | | |
| EVD2-38/1039 | 3.60 - 4.00 | 2 | 360 | 80 | Vertical | 178x25 Ø | N(F) | ▲ |
| SBA3800/220 blade | 3.60 - 4.00 | 2 | 360 | 80 | Vertical | 100x25x55 | SMA(F) | |
| SBA-3800-D1/1040 blade | 3.60 - 4.00 | 2 | 360 | 70 | Vertical | 54x3, 26 Ø base | SMA(F) | |
| XV09-3880/944 | 3.70 - 4.06 | 9 | 360 | 7 | Vertical | 782x98 Ø | N(F) | |
| VOA4-3900/130 | 3.75 - 4.05 | 4 | 360 | 40 | Vertical | 255x36 Ø | N(F) | |
| SBA-38/919 blade | 3.80 - 4.00 | 4 | 360 | 60 | Vertical | 43x25x112 | SMA(F) | ▲ |

OMNI - MULTIBAND

| | | | | | | | | |
|-------------------|----------------------------|---|-----|----|----------|------------|---------|---|
| OA2-0.1-6.0V/1692 | 0.10 - 0.50 0.50 - 6.00 | 0 | 360 | 80 | Vertical | 1250x140 Ø | N(F) x2 | ▲ |
|-------------------|----------------------------|---|-----|----|----------|------------|---------|---|

Catalogue

Group 5 - 4GHz to 6GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

DIRECTIONAL

DIRECTIONAL - SINGLE BAND

| | | | | | | | | |
|----------------------|--------------|-----------------|----|----|----------------|------------|-----------|---------|
| BDPSA5-50800-D2/1160 | 0.50 - 8.00 | 5 | 80 | 70 | Circular | 488x356x22 | SMA(F) x2 | page 94 |
| FPA-0.6-6.0R/1562 | 0.60 - 6.00 | 1 to 6 | 70 | 70 | Circular | 50x219 Ø | N(F) | page 94 |
| FPA3-0.8-6.0R/1329 | 0.80 - 6.00 | 4.5 | 80 | 80 | Right Circular | 50x219 Ø | N(F) | page 94 |
| FPA3-0.8-6.0L/1812 | 0.80 - 6.00 | 4.5 | 80 | 80 | Left Circular | 50x219 Ø | N(F) | page 94 |
| PSA0218L/1501 | 2.00 - 18.00 | 0 to -2 | 75 | 75 | Left Circular | 45x56 Ø | SMA(F) | |
| PSA0218R/1142 | 2.00 - 18.00 | 0 to -2 | 75 | 75 | Right Circular | 40x52 Ø | SMA(F) | page 94 |
| PSA0218L/1276 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Left Circular | 39x62 Ø | SMA(F) | page 94 |
| PSA0218R/1277 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Right Circular | 65x68 Ø | SMA(F) | page 95 |
| PSA0218R/1278 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Right Circular | 39x62 Ø | SMA(F) | page 95 |
| PSA0218L/1084 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Left Circular | 65x68 Ø | SMA(F) | page 95 |
| PSA0218L/1361 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Left Circular | 51x61 Ø | N(F) | page 95 |
| PSA0218R/1360 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Right Circular | 51x61 Ø | SMA(F) | page 95 |
| PSA0218L/1333 | 2.00 - 18.00 | -4(2-4) 2(4-18) | 75 | 75 | Left Circular | 51x61 Ø | SMA(F) | page 95 |

FPA19-39V-D1/190



FPA21-10-47R/591



FPA20-47R-TNC/1183



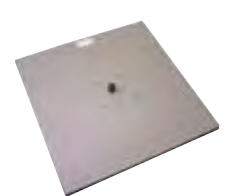
FPA20-47V/1162



FPA20-47V/1323



FPA24-4.7R/1509



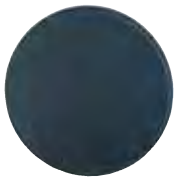
| | | | | | | | | |
|--------------------|--------------|-----------------|------|------|----------------|------------|--------------------|---------|
| PSA0218R/1362 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Right Circular | 51x61 Ø | N(F) | page 95 |
| FPA19-39V-D1/190 | 3.60 - 4.10 | 19 | 20 | 20 | Vertical | 238x238x10 | SMA(F) | ▲ |
| FPA13-39V/209 | 3.70 - 4.10 | 13 | 40 | 40 | Vertical | 118x118x10 | SMA(F) | |
| LPA7-40R/1051 | 3.70 - 4.20 | 8 | 65 | 65 | Right Circular | 64x64x26 | SMA(F) | |
| FPA-4.0-6.0R/1787 | 4.00 - 6.00 | 4 | 90 | 90 | Right Circular | 39x62 Ø | N(F) | page 95 |
| FPA-4.0-18.0L/1757 | 4.00 - 18.00 | 0.5 - 4.8 | 360 | 80 | Left Circular | 37x37 Ø | SMA(F) | page 95 |
| FPA13-45R/246 | 4.25 - 4.75 | 13 | 40 | 40 | Right Circular | 118x118x10 | SMA(F) | |
| FPA21-10-47V/1153 | 4.40 - 4.85 | 20.5 | 10 | 19 | Vertical | 386x257x11 | SMA(F) | |
| FPA21-10-47R/591 | 4.40 - 4.85 | 20.5 | 10 | 20 | Right Circular | 386x257x11 | SMA(F) | ▲ |
| FPA20-47R-TNC/1183 | 4.40 - 5.00 | 19.5 | 14 | 14 | Right Circular | 265x265x23 | TNC(F) | ▲ |
| FPA20-47V/1162 | 4.40 - 5.00 | 20 | 14 | 14 | Vertical | 265x265x23 | TNC(F) | ▲ |
| FPA20-47V/1323 | 4.40 - 5.00 | 20 | 14 | 14 | Vertical | 265x265x23 | N(F) | ▲ |
| FPA20-4.7V/9701 | 4.40 - 5.00 | 20 | 14 | 14 | Vertical | 265x265x23 | TNC(F) | |
| FPA24-4.7R/1509 | 4.40 - 5.00 | 24.3 | 8 | 8 | Right Circular | 445x445x23 | N(F) | ▲ |
| FPA24-4.7R/1857 | 4.40 - 5.00 | 24.3 | 8 | 8 | Right Circular | 445x445x24 | N(F) | |
| FPA26-4.7V/1899 | 4.40 - 5.00 | 26 | 6 | 6 | Vertical | 600x600x24 | N(F) | above |
| FPA26-47V/1322 | 4.40 - 5.00 | 26 | 6 | 6 | Vertical | 600x600x24 | N(F) | above |
| FPA26-47V/1157 | 4.40 - 5.00 | 26 | 6 | 6 | Vertical | 600x600x24 | N(F) | above |
| DPA1-47R/1163 | 4.40 - 5.00 | 2.8 | 62.5 | 61.5 | Right Circular | 9x62 Ø | SMA(M) | |
| DPA1-47VH/1164 | 4.40 - 5.00 | 3.5 | 70 | 51 | Dual V&H | 9x62 Ø | SMA(M) 0.51m cable | |
| PA7-4.7V/1819 | 4.40 - 5.00 | 6.5 | 85 | 72 | Vertical | 8.5x49 Ø | SMA(M) 0.43m cable | above |

Group 5 - 4GHz to 6GHz

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------------------|------------------|-------------|----------------------|----|----------------|------------------|-------------------|------------|
| LPA7-47R-TNC/1182 | 4.40 - 5.00 | 7 | 65 | 65 | Right Circular | 10x84 Ø | TNC(F) | |
| LPA7-47R/542 | 4.40 - 5.00 | 7 | 75 | 75 | Right Circular | 10x84 Ø | SMA(F) | |
| FPA10-4.7R/1564 | 4.40 - 5.00 | 9.5 | 54 | 58 | Right Circular | 10x84 Ø | TNC(F) | ▲ |
| FPA18-48R/751 | 4.60 - 5.00 | 17 | 20 | 20 | Right Circular | 201x201x10 | N(F) | |
| LPA7-51V/322 | 4.80 - 5.40 | 7 | 90 | 70 | Vertical | 35x35x9 | SMA(F) | |
| FPA18-5.0V/1784 | 4.90 - 5.10 | 19 | 18 | 16 | Vertical | 240x240x29 | N(F) | |
| LPA7-51R/454 | 5.00 - 5.20 | 7 | 52 | 55 | Right Circular | 13x70 Ø | SMA(F) | |
| DHDA-5.7V/1584 | 5.00 - 6.30 | 1 | 160 | 90 | Vertical | 82x46 | SMA(M) 0.4m cable | ▲ |
| FPA21-10A-50R/590 | 5.07 - 5.52 | 20.5 | 10 | 20 | Right Circular | 386x256x10 | N(F) | |

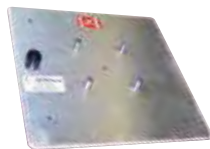
FPA10-4.7R/1564



DHDA-5.7V/1584



Vector FPA19-5.5V/9506



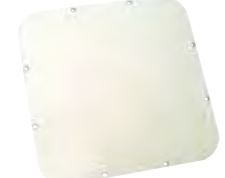
FPA19-55VH/490



FPA19-5.5V/1758



FPA19-55V/448



| | | | | | | | | |
|------------------------|--------------|------------|------|------|----------------|-------------|-----------------------------|---|
| FPA19-52R/408 | 5.15 - 5.35 | 18 | 20 | 20 | Right Circular | 201x201x10 | N(F) | |
| FPA19-52V/388 | 5.15 - 5.35 | 17.5 to 18 | 19 | 18 | Vertical | 201x201x10 | N(F) | |
| 8LPA7-54VH-OCT/1104 | 5.15 - 5.72 | 6 | 75 | 75 | Dual V&H | 9x120 Ø | SMA(F) x16 | |
| Vector FPA19-5.5V/9506 | 5.15 - 5.85 | 19 | 17.5 | 15.5 | Vertical | 240x240x29 | N(F) | ▲ |
| FPA19-55VH-D2/516 | 5.20 - 5.82 | 17 | 20 | 20 | Dual V&H | 212x212x4 | SMA(M) 0.153m & 0.18 cables | |
| FPA19-55VH/490 | 5.20 - 5.82 | 18 | 20 | 20 | Dual V&H | 193x193x9 | SMA(F) x2 | ▲ |
| LPA7-55R/947 | 5.25 - 5.85 | 7 | 60 | 60 | Right Circular | 15x84 Ø | SMA(F) | |
| FPA23-55VH-AB/809 | 5.20 - 5.825 | 22.5 | 8 | 8 | Dual V&H | 353x335x5 | SMA(M) 90° cable x2 | |
| FPA19-5.5V/1758 | 5.25 - 5.82 | 18 | 20 | 20 | Vertical | 262x193x9.3 | N(F) | ▲ |
| FPA19-55V/448 | 5.25 - 5.825 | 18 | 20 | 20 | Vertical | 193x193x9 | SMA(F) | ▲ |
| LPA7-57R/216 | 5.40 - 6.00 | 7 | 80 | 80 | Right Circular | 15x84 Ø | SMA(F) | |

FPA19-58V-701/474



FPA22-58V-701/935



FPA23-61V/1132



FPA23-61VH/1072



FPA21-62L/1119




| | | | | | | | | |
|-------------------|-------------|------|-----|-----|----------------|------------|-----------|---|
| FPA19-58V-701/474 | 5.72 - 5.82 | 18 | 20 | 20 | Vertical | 225x225x12 | N(F) | ▲ |
| FPA22-58V-701/935 | 5.72 - 5.82 | 22 | 10 | 10 | Vertical | 343x343x17 | N(F) | ▲ |
| LPA7-60R/674 | 5.80 - 6.20 | 8 | 70 | 70 | Right Circular | 15x84 Ø | SMA(F) | |
| FPA23-61V/1132 | 5.80 - 6.40 | 23 | 7 | 7 | Vertical | 380x380x17 | SMA(F) | ▲ |
| FPA23-61VH/1072 | 5.80 - 6.40 | 23.5 | 7 | 7 | Dual V&H | 380x380x17 | SMA(F) x2 | ▲ |
| FPA23-61V/1266 | 5.80 - 6.40 | 27 | 6.8 | 6.5 | Vertical | 411x455x14 | SMA(F) | |
| FPA21-62L/1119 | 5.90 - 6.40 | 21 | 11 | 11 | Left Circular | 8x281 Ø | SMA(F) | ▲ |
| LPA7-62L/1053 | 5.90 - 6.45 | 7 | 70 | 70 | Left Circular | 45x38x11 | SMA(F) | |

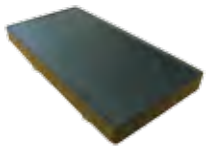
Catalogue

Group 5 - 4GHz to 6GHz

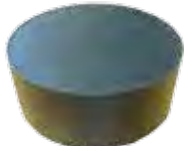
Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|--------------------------------|--|-------------|----------------------|----------|--|------------------|--------------------|---|
| DIRECTIONAL - MULTIBAND | | | | | | | | |
| LPA7-TRI-DS2450-DS5500/1090 | 0.88 - 0.96 1.71 - 1.88 1.92 - 2.175 2.40 - 2.50 5.25 - 5.85 | 7 | 60 | 60 | Vertical Vertical Vertical Dual ±45° Dual ±45° | 339x225x42 | SMA(F) x7 |  |
| FPA8-2.4R-5.9R/1893 | 2.40 - 2.50 5.10 - 5.90 | 7.5 10 | 88 40 | 72 43 | Right Circular | 168x85x15 | N(F) x2 | ▲ |
| FPA7-2.3-5.9R/1894 | 2.40 - 2.50 5.10 - 5.90 | 6, 7 | 70 | 70 | Right Circular | 41x 106 Ø | N(F) | ▲ |
| DLPA7-2.5-5.5DS/1315 | 2.40 - 2.50 5.15 - 5.85 | 7 | 60 | 60 | Dual ±45° | 37x132 Ø | SMA(F) x4 | ▲ |
| DLPA6-2.5-5.5DS/1314 | 2.40 - 2.50 5.15 - 5.85 | 8 | 60 | 60 | Dual ±45° | 55x161 Ø | N(M) 0.5m cable x4 | ▲ |
| DLPA6-2.5-5.5DS /1722 | 2.40 - 2.50 5.15 - 5.85 | 7 | 60 | 60 | Dual ±45° | 55x161 Ø | N(M) 1m cable x4 | |

FPA8-2.4R-5.9R/1893



FPA8-2.3-5.9R/1894



DLPA7-2.5-5.5DS/1315



DLPA6-2.5-5.5DS/1314



DIRECTIONAL - HELIX

| | | | | | | | | |
|----------------|-------------|----|----|----|----------------|---------|------|--|
| AMHH12-58R/217 | 5.50 - 6.20 | 12 | 45 | 45 | Right Circular | 207x155 | N(F) | |
|----------------|-------------|----|----|----|----------------|---------|------|--|

Group 5 - 4GHz to 6GHz

Sector

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

SECTOR

| | | | | | | | | |
|---------------------------|-------------|------|-----|-----|----------------|-------------|--------|---|
| SA6-180-36V/558 | 3.00 - 4.30 | 6 | 180 | 35 | Vertical | 205x75 Ø | SMA(F) | ▲ |
| SA10-40R/1052 | 3.70 - 4.20 | 10 | 70 | 40 | Right Circular | 114x63x26 | SMA(F) | |
| SA6-180-51V/559 | 4.30 - 6.00 | 6 | 180 | 35 | Vertical | 205x57 Ø | SMA(F) | |
| SA14-60-47R/1165 | 4.40 - 5.00 | 14.5 | 60 | 9 | Right Circular | 408x76x9 | TNC(F) | ▲ |
| SA17-60-4.7V/1817 | 4.40 - 5.00 | 17 | 55 | 8.5 | Vertical | 470x106x24 | N(F) | |
| SA17-60-4.7V/1419 | 4.40 - 5.00 | 17 | 55 | 8.5 | Vertical | 470x106x24 | N(F) | ▲ |
| SA12-120-4.8V/1659 | 4.40 - 5.10 | 12.8 | 120 | 16 | Vertical | 409x98 Ø | TNC(F) | |
| SA11-180-4950V/619 | 4.80 - 5.10 | 11 | 180 | 10 | Vertical | 616x57 Ø | N(F) | ▲ |
| SA5-180-49V/620 | 4.80 - 5.10 | 5 | 180 | 30 | Vertical | 120x41x44 | SMA(F) | |
| Vector SA15-120-5.5V/9503 | 4.90 - 5.90 | 15 | 120 | 6.5 | Vertical | 650x200x101 | N(F) | ▲ |
| Vector SA16-90-5.5V/9502 | 4.90 - 5.90 | 16.6 | 90 | 6.5 | Vertical | 650x200x101 | N(F) | |
| Vector SA17-60-5.5V/9501 | 4.90 - 5.90 | 17.5 | 60 | 6.5 | Vertical | 650x200x101 | N(F) | |

SA6-180-36V/558



SA14-60-47R/1165



SA15-60-4.7V/1419



SA11-180-4950V/619



Vector SA16-90-5.5V/9502



| | | | | | | | | |
|----------------------|---------------|------------|-----|-----|----------------|-------------|-----------|---|
| SA19-30-5.1DS/1616 | 5.00 - 5.15 | 19 | 35 | 6.6 | Dual ±45' | 650x200x101 | N(F) x2 | ▲ |
| SA17-55V/450 | 5.125 - 5.925 | 17.5 to 18 | 60 | 7 | Vertical | 501x75x10 | SMA(F) | ▲ |
| SA19-40-52V/387 | 5.15 - 5.35 | 17.5 to 18 | 33 | 9.5 | Vertical | 363x117x10 | N(F) | |
| SA19-40-52R/407 | 5.15 - 5.35 | 18 | 33 | 9 | Right Circular | 363x117x10 | N(F) | |
| SA17-55H/449 | 5.25 - 5.85 | 17 | 55 | 7 | Horizontal | 501x75x10 | SMA(F) | |
| SA14-130-5.7V/1582 | 5.60 - 5.90 | 14 | 120 | 6.5 | Vertical | 669x80 Ø | TNC(F) | |
| SA19-40-5775R/473 | 5.65 - 5.95 | 18 | 40 | 10 | Right Circular | 363x117x10 | N(F) | |
| SA6-180-58L-UT20/883 | 5.70 - 5.90 | 6 | 180 | 30 | Left Circular | 111x50 Ø | SMA(F) | ▲ |
| SA6-180-58R-UT20/881 | 5.70 - 5.90 | 6 | 180 | 30 | Right Circular | 111x80 Ø | SMA(F) | |
| SA13-60-61R/1057 | 5.70 - 6.40 | 11 | 70 | 20 | Right Circular | 150x50x12 | SMA(F) | |
| SA16-30-58H/736 | 5.72 - 5.85 | 16 | 30 | 20 | Horizontal | 201x141x9 | SMA(F) | |
| SA15-58VH/1150 | 5.72 - 5.85 | 15.8 | 55 | 10 | Dual V&H | 330x130x7 | TNC(F) x2 | |
| SA16-30-58H-D1/998 | 5.72 - 5.85 | 16 | 30 | 20 | Horizontal | 174x130x8 | TNC(F) | ▲ |
| SA16-30-58V/735 | 5.72 - 5.85 | 17 | 30 | 15 | Vertical | 174x130x8 | SMA(F) | |

SA19-30-5.1DS/1616



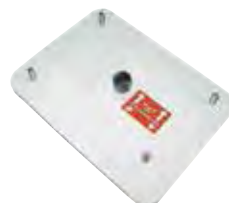
SA17-55V/450



SA8-130-58L-UT20/883



SA16-30-58H-D1/998



Catalogue

Group 5 - 4GHz to 6GHz

Sector

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|--------------------|------------------|-------------|----------------------|----|---------------|------------------|-----------------|------------|
| SA16-30-58V-D1/997 | 5.72 - 5.85 | 17 | 30 | 15 | Vertical | 174x130x8 | TNC(F) | ▲ |
| SA15-120-58V/983 | 5.72 - 5.87 | 15 | 120 | 7 | Vertical | 548x263x30 | N(F) | ▲ |
| SA16-90-58V/982 | 5.72 - 5.87 | 16 | 90 | 6 | Vertical | 548x263x30 | N(F) | |
| SA10-62L/1054 | 5.90 - 6.45 | 10 | 70 | 35 | Left Circular | 76x44x20 | SMA(F) | |

SA16-30-58V-D1/997



SA15-120-58V/983



MULTI-SECTOR

| | | | | | | | | |
|---------------------|----------------------------|---------------------------|------------|-----------|----------------------------|------------|-----------|---|
| MSA6-15-46L/879 | 4.40 - 4.80 | 15 sector 8.5 overhead | 70 60 | 8.4 55 | Left Circular | 623x158 Ø | N(F) | ▲ |
| MSA6-4.7V/1484 | 4.40 - 5.00 | 15 sector 8 overhead | 70 70 | 8 65 | Vertical Right Circular | 625x162 Ø | SMA(M) | |
| MSA6-90-4.7V/1554 | 4.40 - 5.00 | 13.8 sector 8 overhead | 90 70 | 8 65 | Vertical Right Circular | 627x162 Ø | SMA(M) | |
| MSA6-4.7V-5.5V/1622 | 4.40 - 5.00 5.25 - 5.85 | 12.5 | 70 | 20 | Vertical | 627x162 Ø | SMA(F) | |
| MSA3-5.5V/1891 | 5.10 - 5.90 | 12 | 120 | 12 | Vertical | 645x109 Ø | N(F) x3 | ▲ |
| DSA16-55VH/642 | 5.20 - 5.80 | 15 | 55H 65V | 10 | Dual V&H | 380x151x10 | N(F) x4 | |
| 4SA17-55V/876 | 5.25 - 5.825 | 17 | 60 | 7 | Vertical | 499x305x15 | SMA(F) x4 | ▲ |
| 4SA17-55H/981 | 5.25 - 5.825 | 4 x 17 | 55 | 7 | Horizontal | 499x305x15 | SMA(F) x4 | |
| MSA6-5.5V/1783 | 5.25 - 5.85 | 12.5 | 70 | 17 | Vertical | 51x162 Ø | SMA(F) | ▲ |

MSA6-16-46L/879



MSA3-5.5V/1891



4SA17-55V/876



MSA6-5.5V/1783



Group 5 - 4GHz to 6GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

OMNI

OMNI - SINGLE BAND

| | | | | | | | | |
|-----------------------|--------------|---|-----|----|----------|-----------|------|---|
| OA2-0.3-10.0V/1667 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1668 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1505 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.8-6.0V/1665 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| OA2-0.8-6.0V/1666 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| XPO2V-0.8-6.0-GF/1441 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | ▲ |
| XPO2V-0.8-6.0/1485 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x79 Ø | N(F) | ▲ |
| OA2-0.85-6.0V/1699 | 0.84 - 6.00 | 1 | 360 | 60 | Vertical | 170x60 Ø | N(F) | ▲ |
| OA2-1.0-6.0V/1794 | 1.00 - 6.00 | 1 | 360 | 80 | Vertical | 213x80 Ø | N(F) | ▲ |
| XPO2V-1.0-6.0/1442 | 1.00 - 6.00 | 2 | 360 | 70 | Vertical | 134x80 Ø | N(F) | ▲ |
| XPO2V-1.0-6.0/1512 | 1.00 - 6.00 | 2 | 360 | 70 | Vertical | 134x80 Ø | N(F) | ▲ |

XPO2V-0.8-6.0GF/1441



XPO2V-0.8-6.0/1485



OA2-0.85-6.0/1699



OA2-1.0-6.0V/1794



XPO2V-1.0-6.0/1442



XPO2V-1.0-6.0/1512



| | | | | | | | | |
|---------------------|--------------|-----|-----|----|---------------|-----------|------------|---|
| OA2-1.7-6.0V/1624 | 1.70 - 6.00 | 2 | 360 | 70 | Vertical | 104x35 Ø | N(F) | |
| XPO2V-2.0-18.0/1397 | 2.00 - 18.00 | 2 | 360 | 70 | Vertical | 104x39 Ø | N(F) | ▲ |
| XPO2V-30-42/560 | 3.30 - 4.20 | 4 | 360 | 40 | Vertical | 205x75 Ø | SMA(F) | |
| VOA4-3900/130 | 3.75 - 4.05 | 4 | 360 | 40 | Vertical | 255x36 Ø | N(F) | |
| XPO2V-4.0-18.0/1382 | 4.00 - 18.00 | 1 | 360 | 60 | Vertical | 78x26 Ø | N(F) | |
| OA9-4.5V/1566 | 4.30 - 4.70 | 8.2 | 360 | 12 | Vertical | 603x36 Ø | N(F) | |
| VOA9-45/1161 | 4.30 - 4.70 | 9 | 360 | 11 | Vertical | 515x40 Ø | N(F) | ▲ |
| SVD2-4550/477 | 4.30 - 5.00 | 2 | 360 | 80 | Vertical | 68x11 Ø | SMA(M) | |
| SVD2-4460-SM90/478 | 4.35 - 4.55 | 2 | 360 | 80 | Vertical | 70x5 Ø | SMA(F) 90° | |
| OA8-4.5H/1590 | 4.40 - 4.60 | 8 | 360 | 12 | Horizontal | 450x79 Ø | SMA(F) | ▲ |
| LCO6-4600/875 | 4.40 - 4.80 | 6.5 | 360 | 22 | Left Circular | 221x190 Ø | N(F) | ▲ |
| OA6-4.7L/1755 | 4.40 - 4.80 | 6 | 360 | 19 | Left Circular | 246x104 Ø | QN(M) | ▲ |
| LCO6-4600-D1/908 | 4.40 - 4.80 | 6.5 | 360 | 22 | Left Circular | 362x109 Ø | N(F) | |

XPO2V-2.0-18.0/1397



VOA9-45/1161



OA8-4.5H/1590



LCO6-4600/875



OA6-4.7L/1755



Catalogue

Group 5 - 4GHz to 6GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|--------------------------|---------------------------|----------------------|----------------------|--|----------------------|------------------|-----------------|------------|
| LC06-4600-D2/918 | 4.40 - 4.80 | 6.5 | 360 | 22 | Left Circular | 234x102 Ø | SMA(F) | |
| OA6-4.7L/1593 | 4.40 - 4.80 | 6.5 | 360 | 22 | Left Circular | 362x109 Ø | N(F) | |
| OA6-4.7L/1593 | 4.40 - 4.80 | 6.5 | 360 | 22 | Left Circular | 362x109 Ø | N(F) | |
| OA6-4.7R/1594 | 4.40 - 4.80 | 6.5 | 360 | 22 | Right Circular | 362x109 Ø | N(F) | |
| EVD2-4700/1174 | 4.40 - 5.00 | 2 | 360 | 80 | Vertical | 120x26 Ø | N(F) | ▲ |
| EVD2-47-TNC/1181 | 4.40 - 5.00 | 1.5 | 360 | 80 | Vertical | 120x28 Ø | TNC(F) | ▲ |
| EVD2-4700/1334 | 4.40 - 5.00 | 2 | 360 | 80 | Vertical | 120x26 Ø | N(M) | |
| OA2-4.7V/1840 | 4.40 - 5.00 | 2.4 | 360 | 63 | Vertical | 73x14 Ø | SMA(M) | ▲ |
| EVD2-4.7/1471 | 4.40 - 5.00 | 3.5 | 360 | 40 | Vertical | 110x45 Ø | N(F) | |
| OA4-4.7V/1643 | 4.40 - 5.00 | 5 | 360 | 31 | Vertical | 153x20 Ø | TNC(M) | ▲ |
| VOA6-4.7V/1489 | 4.40 - 5.00 | 6 | 360 | 24 | Vertical | 226x32 Ø | N(M) | ▲ |
| OA6-4.7V/1621 | 4.40 - 5.00 | 6 | 360 | 25 | Vertical | 236x75 Ø | N(F) | ▲ |
| OA6-4.7V/1621/LDS | 4.40 - 5.00 | 6 | 360 | 25 | Vertical | 276x75 Ø | N(F) | |
| EVD2-4700/1174 | EVD2-47-TNC/1181 | OA2-4.7V/1840 | OA4-4.7V/1643 | VOA6-4.7V/1489 | OA6-4.7V/1621 | | | |
| | | | | | | | | |
| OA6-4.7V/1704/LDS | 4.40 - 5.00 | 6 | 360 | 25 | Vertical | 236x75 Ø | N(F) | ▲ |
| VOA7-4700-DTC/1175 | 4.40 - 5.00 | 6.5 | 360 | 18 | Vertical | 185x32 Ø | TNC(F) | ▲ |
| VOA6-47/914 | 4.40 - 5.00 | 6.5 | 360 | 23 | Vertical | 225x50 Ø | N(F) | ▲ |
| OA6-4.7V/1481 | 4.40 - 5.00 | 6.5 | 360 | 23 | Vertical | 329x40 Ø | TNC(F) | ▲▲ |
| OA6-4.7V/1704/LDS | VOA7-4700-DTC/1175 | VOA6-47/914 | OA6-4.7V/1481 | OA6-4.7V/1481 (with spring mount) | OA8-4.7V/1592 | | | |
| | | | | | | | | |
| OA8-4.7V/1592 | 4.40 - 5.00 | 7.5 | 360 | 17 | Vertical | 379x70 Ø | N(F) | ▲ |
| VOA8-47/1170 | 4.40 - 5.00 | 7.5 | 360 | 17 | Vertical | 375x70 Ø | N(F) | above |
| OA3-4.8V/1465 | 4.40 - 5.20 | 3 | 360 | 48 | Vertical | 44x77 Ø | SMA(F) | above |
| OA4-4.4-5.8V/1623 | 4.40 - 5.80 | 3.5 | 360 | 40 | Vertical | 154x26 Ø | N(M) | |
| OA4-4.4-5.8V/1662 | 4.40 - 5.80 | 5 | 360 | 38 | Vertical | 153x45 Ø | N(F) | above |
| OA9-4.6V/1701 | 4.49 - 4.80 | 8.5 | 360 | 12.5 | Vertical | 600x36 Ø | N(F) | |
| SBA-49/621 blade | 4.80 - 5.10 | 2 | 360 | 80 | Vertical | 100x25x55 | SMA(F) | |
| Vector OA9-5.1V/9512 | 4.90 - 5.30 | 9 | 360 | 12 | Vertical | 360x26 Ø | N(F) | |
| SBA-5200/476 blade | 5.10 - 5.30 | 2 | 360 | 70 | Vertical | 100x25x54 | SMA(F) | |

Group 5 - 4GHz to 6GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|----------------------|------------------|-------------|----------------------|------|----------------|------------------|-----------------|------------|
| OA6-5.3V/1771/LDS | 5.10 - 5.50 | 6.5 | 360 | 22 | Vertical | 240x75 Ø | N(F) | |
| SVD2-5250/373 | 5.15 - 5.35 | 2 | 360 | 80 | Vertical | 72x12 Ø | SMA(M) | |
| EVD2-5300/1285 | 5.15 - 5.45 | 2 | 360 | 80 | Vertical | 122x26 Ø | N(M) | |
| Vector OA4-5.5V/9515 | 5.15 - 5.85 | 5 | 360 | 38 | Vertical | 136x14 Ø | N(F) | ▲ |
| OA1-5.5V/1908 | 5.25 - 5.875 | 0-2 | 360 | 82 | Vertical | 21x50 Ø | SMA(F) | ▲ |
| Vector OA8-5.6V/9505 | 5.40 - 5.85 | 8.9 | 360 | 11 | Vertical | 345x27 Ø | N(F) | ▲ |
| EVD2-5600/1479 | 5.40 - 5.90 | 2 | 360 | 80 | Vertical | 132x26 Ø | N(M) | |
| OA4-5.7V/1644 | 5.40 - 6.00 | 4.5 | 360 | 35 | Vertical | 150x20 Ø | TNC(M) | |
| EVD2-5600/1286 | 5.45 - 5.75 | 2 | 360 | 80 | Vertical | 122x26 Ø | N(M) | |
| OA7-5.7V/1370 | 5.47 - 5.84 | 7 | 360 | 17.4 | Vertical | 225x27 Ø | N(M) | ▲ |
| OA4-5.7V/1587 | 5.50 - 5.90 | 4 | 360 | 23.5 | Vertical | 187x32 Ø | SMA(F) | ▲ |
| SVD2-5800/227 | 5.70 - 5.90 | 2 | 360 | 80 | Vertical | 63x11 Ø | SMA(F) | |
| RC05-58-DT5/884 | 5.70 - 5.90 | 4.7 | 360 | 33 | Right Circular | 184x55 Ø | SMA(F) | |
| LC05-58-DT5/882 | 5.70 - 5.90 | 4.7 | 360 | 33 | Left Circular | 184x55 Ø | SMA(F) | |
| OA6-5.8L/1756 | 5.70 - 5.90 | >5 | 360 | 17.5 | Left Circular | 218x104 Ø | QN(M) | ▲ |
| OA8-5.8H/1555 | 5.70 - 5.90 | 8 | 360 | 15 | Horizontal | 385x79 Ø | SMA(F) | ▲ |

OA4-5.5V/9515



OA1-5.5V/1908



OA8-5.6V/9505



OA7-5.7V/1370



OA4-5.7V/1587



OA6-5.8L/1756



OA4-5.8H/1272

OA4-5.8H/1272

OA4-5.8H/1272

OA4-VH-5850/1247

| | | | | | | | | |
|------------------|-------------|---|-----|----|------------|-----------|---------|---|
| OA4-5.8H/1272 | 5.72 - 5.85 | 3 | 360 | 35 | Horizontal | 220x108 Ø | N(F) | ▲ |
| OA4-VH-5850/1247 | 5.72 - 5.85 | 4 | 360 | 40 | Dual V&H | 340x108 Ø | N(F) x2 | ▲ |

OA8-5.8H/1555



OA4-5.8H/1272



OA4-VH-5850/1247



Catalogue

Group 5 - 4GHz to 6GHz

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az° el° | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------------------------|------------------|-------------|----------------------|-----|--------------|------------------|---|------------|
| OMNI - MULTIBAND | | | | | | | | |
| OA2-0.1-6.0V/1692 | 0.10 - 0.50 | | | | | | | |
| | 0.50 - 6.00 | 0 | 360 | 80 | Vertical | 1250x140 Ø | N(F) x2 | ▲ |
| 7EVD2-900-5850/1091 | 0.88 - 0.96 | 1 | | | | | | |
| | 1.71 - 1.88 | 2 | | | | | | |
| | 1.92 - 2.17 | 2 | | | | | | |
| | 2.40 - 2.50 | 2 | | | | | | |
| | 5.25 - 5.85 | 2 | 360 | 100 | Vertical | 103x220 Ø | SMA(F) x7 | |
| OA3-2.4-5.4DS/1833 | 2.40 - 2.50 | | | | | | | |
| | 5.15 - 5.725 | 0 | 360 | 70 | Dual ±45° | 93x100 Ø | RP SMA(M) 1m cable x4 | ▲ |
| DSO3-24-54/1177 | 2.40 - 2.50 | | | | | | | |
| | 5.15 - 5.725 | 0 | n/a | n/a | Dual ±45° | 93x100 Ø | SMA(F) x4 | ▲ |
| OA3-2.4-5.4DS/1785 | 2.40 - 2.50 | | | | | | | |
| | 5.15 - 5.725 | 0 | n/a | n/a | Dual ±45° | 93x100 Ø | RPBNC(M) x2 RPSMA(M) x2 1m cables x4 | |
| DSO3-24-54/1491 | 2.40 - 2.50 | | | | | | | |
| | 5.15 - 5.725 | 0 | 360 | 70 | Dual ±45° | 93x100 Ø | SMA(F) x4 | |
| DSO3-24-54/1490 | 2.40 - 2.50 | | | | | | | |
| | 5.15 - 5.725 | 0 | 360 | 80 | Dual 45° | 93x100 Ø | SMA(F) x4 | |
| DOA-2.4V-3.4V-4.7V/1869 | 2.30 - 3.50 | 2.0 | 360 | 70 | Vertical | | TNC(M) 90° 0.254m cable | |
| | 4.40 - 5.00 | 6,5 | 360 | 23 | Vertical | 433x23 Ø | TNC(M) 90° 0.508m cable | ▲ |

OA2-0.1-6.0/1692



7EVD2-900-5850/1091



OA3-2.4-5.4DS/1833



DOA-2.4V-3.4V-4.7V/1869



Group 6 - 6GHz and over

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

DIRECTIONAL

DIRECTIONAL - SINGLE BAND

| | | | | | | | | |
|----------------------|--------------|-----------------|----|----|----------------|------------|-----------|---|
| BDPSA5-50800-D2/1160 | 0.50 - 8.00 | 5 | 80 | 70 | Circular | 488x356x22 | SMA(F) x2 | ▲ |
| PSA0218L/1501 | 2.00 - 18.00 | 0 to -2 | 75 | 75 | Left Circular | 45x56 Ø | SMA(F) | |
| PSA0218R/1142 | 2.00 - 18.00 | 0 to -2 | 75 | 75 | Right Circular | 40x52 Ø | SMA(F) | ▲ |
| PSA0218L/1276 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Left Circular | 39x62 Ø | SMA(F) | ▲ |
| PSA0218R/1277 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Right Circular | 65x68 Ø | SMA(F) | ▲ |
| PSA0218R/1278 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Right Circular | 39x62 Ø | SMA(F) | ▲ |
| PSA0218L/1084 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Left Circular | 65x68 Ø | SMA(F) | ▲ |

BDPSA-50800-D2/1160

PSA0218R/1142

PSA0218L/1276

PSA0218R/1277

PSA0218R/1278

PSA0218L/1084



| | | | | | | | | |
|--------------------|--------------|-----------------|-----|----|----------------|---------|--------|---------|
| PSA0218L/1361 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Left Circular | 51x61 Ø | N(F) | ▲ |
| PSA0218R/1360 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Right Circular | 51x61 Ø | SMA(F) | ▲ |
| PSA0218L/1333 | 2.00 - 18.00 | -4(2-4) 2(4-18) | 75 | 75 | Left Circular | 51x61 Ø | SMA(F) | ▲ |
| PSA0218R/1362 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Right Circular | 51x61 Ø | N(F) | page 95 |
| FPA-4.0-6.0R/1787 | 4.00 - 6.00 | 4 | 90 | 90 | Right Circular | 39x62 Ø | SMA(F) | page 95 |
| FPA-4.0-18.0L/1757 | 4.00 - 18.00 | 0.5 - 4.8 | 360 | 80 | Left Circular | 37x37 Ø | SMA(F) | page 95 |
| LPA7-57R/216 | 5.40 - 6.00 | 7 | 80 | 80 | Right Circular | 15x84 Ø | SMA(F) | |

PSA0218L/1361

PSA0218R/1360

PSA0218L/1333

FPA23-61V/1132

FPA23-61VH/1072

FPA21-62L/1119



| | | | | | | | | |
|---------------------|-------------|------|-----|-----|----------------|------------|-----------|-------|
| LPA7-60R/674 | 5.80 - 6.20 | 8 | 70 | 70 | Right Circular | 15x84 Ø | SMA(F) | |
| FPA23-61V/1132 | 5.80 - 6.40 | 23 | 7 | 7 | Vertical | 380x380x17 | SMA(F) | ▲ |
| FPA23-61VH/1072 | 5.80 - 6.40 | 23.5 | 7 | 7 | Dual V&H | 380x380x17 | SMA(F) x2 | ▲ |
| FPA23-61V/1266 | 5.80 - 6.40 | 27 | 6.8 | 6.5 | Vertical | 411x455x14 | SMA(F) | |
| FPA21-62L/1119 | 5.90 - 6.40 | 21 | 11 | 11 | Left Circular | 8x281 Ø | SMA(F) | ▲ |
| LPA7-62L/1053 | 5.90 - 6.45 | 7 | 70 | 70 | Left Circular | 45x38x11 | SMA(F) | |
| LPA7-6450R/820 | 6.30 - 6.70 | 8.4 | 70 | 70 | Right Circular | 15x63 Ø | SMA(F) | |
| FPA23-69V-N(F)/1320 | 6.40 - 7.40 | 25.5 | 7.6 | 7.4 | Vertical | 394x350x14 | N(F) | |
| FPA23-69V/1267 | 6.40 - 7.40 | 25.5 | 7.6 | 7.4 | Vertical | 350x394x14 | SMA(F) | above |
| FPA13-70VH/397 | 6.75 - 7.25 | 13 | 40 | 40 | Dual V&H | 83x83x9 | SMA(F) x2 | |
| FPA16-70R/922 | 6.80 - 7.20 | 16 | 18 | 18 | Right Circular | 189x163x13 | SMA(F) | above |

Catalogue

Group 6 - 6GHz and over

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------------------|------------------|-------------|----------------------|-----|----------------|------------------|--------------------|------------|
| FPA19-75V/1179 | 7.20 - 7.80 | 19 | 17.5 | 18 | Vertical | 150x150x13 | SMA(F) | ▲ |
| LPA7-7500R/1043 | 7.30 - 7.70 | 7 | 70 | 70 | Right Circular | 10x60 Ø | SMA(F) | |
| FPA26-77R/1255 | 7.65 - 7.75 | 26 | 7.5 | 3.5 | Right Circular | 580x320x17 | N(F) | ▲ |
| FPA17-79V/482 | 7.80 - 8.00 | 17-17.5 | 20 | 20 | Vertical | 133x133x10 | N(F) | ▲ |
| FPA23-80V/1268 | 7.80 - 8.50 | 24.5 | 8 | 8 | Vertical | 344x300x14 | SMA(F) | |
| PSA0818R/1308 | 8.00 - 18.00 | 4 | 90 | 90 | Right Circular | 21x24 Ø | SMA(F) | ▲ |
| PSA-0818L/1045 | 8.00 - 18.00 | 4 | 90 | 90 | Left Circular | 21x24 Ø | SMA(F) | ▲ |
| PA7-8.3V/1820 | 8.00 - 8.50 | 8 | 84 | 65 | Vertical | 4x31 Ø | SMA(M) 0.43m cable | ▲ |
| FPA13-81V/1106 | 8.05 - 8.25 | 13 | 35 | 35 | Vertical | 10x70 Ø | SMA(F) | |
| FPA13-84V-T2/1841 | 8.20 - 10.00 | 13 | 40 | 40 | Vertical | 18x68 Ø | SMA(F) | |

FPA19-75V/1179



FPA26-77R/1255



FPA17-79V/482



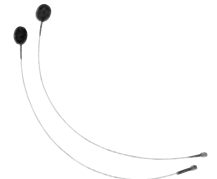
PSA0818R/1308



PSA0818L/1045



PA7-8.3V/1820



| | | | | | | | | |
|------------------------|---------------|----|----|----|----------------|------------|--------------------|---|
| FPA13-84V-T2/261 | 8.20 - 10.00 | 13 | 40 | 40 | Vertical | 18x68 Ø | SMA(F) | |
| FPA13-84V/1000 | 8.20 - 8.60 | 13 | 35 | 35 | Vertical | 10x70 Ø | SMA(F) | ▲ |
| FPA23-85V/1047 | 8.30 - 8.50 | 23 | 8 | 8 | Vertical | 240x240x15 | SMA(F) | |
| FPA26-90V/1006 | 8.30 - 9.70 | 26 | 9 | 4 | Vertical | 440x224x9 | SMA(F) | |
| FPA13-86R/644 | 8.50 - 08.65 | 13 | 35 | 35 | Right Circular | 10x77 Ø | SMA(F) | |
| FPA23-95V/215 | 8.70 - 10.50 | 22 | 10 | 10 | Vertical | 224x213x9 | SMA(F) | |
| FPA13-9550VH-D1/213 | 9.00 - 10.00 | 13 | 40 | 40 | Dual V&H | 76x76x8 | SMA(F) x2 | |
| FPA13-110V/303 | 9.00 - 11.50 | 13 | 40 | 40 | Vertical | 6x59 Ø | SMA(F) | |
| FPA13-92R/612 | 9.40 - 11.00 | 13 | 40 | 40 | Right Circular | 7x59 Ø | SMA(F) | |
| FPA16-100V-D1/152 | 9.60 - 10.20 | 16 | 30 | 30 | Vertical | 80x95x10 | SMA(M) | |
| DFPA22V-13H-100/178 | 10.00 - 10.50 | 13 | 10 | 10 | | | | |
| | | 22 | 40 | 40 | Dual V&H | 203x174x18 | SMA(F) x2 | |
| LPA7-105R-D2/618 | 10.00 - 11.00 | 6 | 65 | 65 | Right Circular | 30x30x6 | SMA(M) 0.28m cable | |
| LPA7-105R/481 | 10.00 - 11.00 | 7 | 65 | 65 | Right Circular | 30x30x7 | SMA(F) | ▲ |
| FPA23-109V-D1/192 | 10.00 - 11.50 | 23 | 10 | 10 | Vertical | 193x185x6 | SMA(F) | ▲ |
| FPA23-103V-501/416 | 10.10 - 10.80 | 23 | 9 | 11 | Vertical | 208x208x12 | SMA(F) | ▲ |
| FPA23-103V-501-D1/1019 | 10.10 - 10.80 | 23 | 9 | 12 | Vertical | 208x208x12 | SMA(F) | |
| FPA25-104V-D1/722 | 10.15 - 10.65 | 25 | 7 | 7 | Vertical | 251x251x16 | SMA(F) | |

FPA13-84V/1000



LPA7-105R/481



FPA23-109V-D1/192



FPA23-103V-501/416



Group 6 - 6GHz and over

Directional

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------------------|------------------|-------------|----------------------|-----|--------------|------------------|-----------------|------------|
| FPA13-105V-WD/377 | 10.20 - 10.70 | 13 | 44 | 36 | Vertical | 90x50x12 | SMA(F) | ▲ |
| LPA7-105V/378 | 10.20 - 10.70 | 6 | 90 | 70 | Vertical | 6x21 Ø | SMA(F) | ▲ |
| 4FPA24-105V/895 | 10.25 - 10.75 | 23.5 | 8.5 | 8.5 | Vertical | 374x374x16 | SMA(F) x4 | |
| FPA29-105V/1246 | 10.25 - 10.75 | 28 | 4 | 4 | Vertical | 374x374x11 | SMA(F) | ▲ |
| FPA16-109V-D1/186 | 10.50 - 11.30 | 13.5 | 30 | 30 | Vertical | 95x80x10 | SMA(F) | |
| FPA23-124V/275 | 11.70 - 13.00 | 23 | 10 | 10 | Vertical | 193x185x6 | SMA(F) | ▲ |

FPA13-105V-WD/377



LPA7-105V/378



FPA29-105V/1246



FPA23-124V/275



| | | | | | | | | |
|-------------------|---------------|------|-----|-----|----------------|------------|----------------------|---|
| FPA28-127V/1270 | 12.00 - 13.50 | 28.8 | 3.2 | 3.2 | Vertical | 455x411x10 | SMA(F) | |
| CHA7-12500R/441 | 12.25 - 12.75 | 8 | 70 | 70 | Right Circular | 100x25 Ø | SMA(F) | ▲ |
| FPA23-13V/1058 | 12.50 - 13.50 | 23 | 9 | 8 | Vertical | 150x150x24 | SMA(F) | ▲ |
| FPA28-147V/1271 | 14.00 - 15.50 | 27 | 3.6 | 3.5 | Vertical | 394x350x14 | SMA(F) | |
| FPA15-143V/211 | 14.20 - 14.60 | 15 | 30 | 30 | Vertical | 67x73x6 | SMA(F) (gold plated) | |
| FPA23-1480V/1044 | 14.60 - 15.00 | 23 | 9 | 9 | Vertical | 130x130x12 | SMA(F) | |
| FPA26-28V-ANT/787 | 27.75 - 28.25 | 26 | 6 | 6 | Vertical | 154x154x14 | | ▲ |

CHA7-12500/441



FPA23-13V/1058



FPA26-28V-ANT/787



DIRECTIONAL - HELIX

| | | | | | | | | |
|----------------|-------------|----|----|----|----------------|---------|------|--|
| AMHH12-58R/217 | 5.50 - 6.20 | 12 | 45 | 45 | Right Circular | 207x155 | N(F) | |
|----------------|-------------|----|----|----|----------------|---------|------|--|

Catalogue

Group 6 - 6GHz and over

Sector

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

SECTOR

| | | | | | | | | |
|--------------------|-------------|------|-----|-----|----------------|-----------|--------|---|
| SA13-60-61R/1057 | 5.70 - 6.40 | 11 | 70 | 20 | Right Circular | 150x50x12 | SMA(F) | |
| SA10-62L/1054 | 5.90 - 6.45 | 10 | 70 | 35 | Left Circular | 76x44x20 | SMA(F) | |
| SA16-65R/840 | 6.40 - 6.60 | 14.4 | 80 | 9.6 | Right Circular | 288x86x14 | SMA(F) | |
| SA16-70-73H/129 | 7.10 - 7.50 | 16 | 75 | 7 | Horizontal | 497x81x15 | N(F) | |
| SA12-120-75V/503 | 7.15 - 7.70 | 12 | 120 | 10 | Vertical | 357x160 Ø | N(F) | ▲ |
| SA12-120-8.4V/1892 | 8.10 - 8.60 | 11.5 | 120 | 16 | Vertical | 193x50 Ø | TNC(F) | |

SA12-120-75V/503



SA16-60-112VH/992



SA17-13R/1077

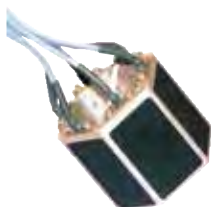


| | | | | | | | | |
|----------------------|---------------|------------|-------|----|----------------|------------|-----------|---|
| SA13-92H/587 | 8.90 - 9.50 | 12.5 | 50 | 20 | Horizontal | 118x55x11 | SMA(F) | |
| SA15-90-104H-D1/1133 | 10.10 - 10.65 | 15 | 87-95 | 6 | Horizontal | 310x152x16 | N(F) | |
| SA15-90-104V-D1/1124 | 10.10 - 10.65 | 15 | 84-87 | 7 | Vertical | 330x157x14 | N(F) | |
| SA17-30-104H/572 | 10.15 - 10.65 | 18 | 30 | 12 | Vertical | 250x250x12 | SMA(F) | |
| SA17-30-104V/571 | 10.15 - 10.65 | 15.7 to 16 | 30 | 12 | Vertical | 250x250x13 | SMA(F) | |
| SA17-60-112VH/992 | 10.70 - 11.70 | 17.75 | 60 | 5 | Dual V&H | 650x80x65 | SMA(F) x2 | ▲ |
| SA17-60-122VH/1123 | 11.70 - 12.75 | 18 | 60 | 4 | Dual V&H | 650x80x64 | SMA(F) x2 | |
| SA17-13R/1077 | 13.40 - 14.00 | 17 | 75 | 6 | Right Circular | 220x50x11 | SMA(F) | ▲ |

MULTI-SECTOR

| | | | | | | | | |
|-------------------|---------------|----|----|-----|------------|------------|-----------|---|
| DSA16-90-104H/775 | 10.15 - 10.65 | 15 | 90 | 6.5 | Horizontal | 310x247x16 | SMA(F) x2 | |
| SA10-HEX-105H/269 | 10.30 - 10.70 | 10 | 80 | 40 | Vertical | 50x60 Ø | SMA(M) x6 | |
| SA10-HEX-105V/250 | 10.30 - 10.80 | 10 | 80 | 40 | Vertical | 50x60 Ø | SMA(M) x6 | ▲ |
| SA10-HEX-130V/267 | 12.70 - 13.50 | 10 | 80 | 40 | Vertical | 50x60 Ø | SMA(M) x6 | |

MSA10-HEX-105V/250



Group 6 - 6GHz and over

Omni

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

OMNI

OMNI - SINGLE BAND

| | | | | | | | | |
|---------------------|--------------|-----|-----|----|----------------|-----------|--------|---|
| OA2-0.3-10.0V/1667 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1668 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1505 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| XPO2V-2.0-18.0/1397 | 2.00 - 18.00 | 2 | 360 | 70 | Vertical | 104x39 Ø | N(F) | ▲ |
| XPO2V-4.0-18.0/1382 | 4.00 - 18.00 | 1 | 360 | 60 | Vertical | 78x26 Ø | N(F) | |
| SBA-49/621 blade | 4.80 - 5.10 | 2 | 360 | 80 | Vertical | 100x25x54 | SMA(F) | |
| SBA-5200/476 blade | 5.10 - 5.30 | 2 | 360 | 70 | Vertical | 100x25x54 | N(F) | |
| SVD2-7200/1603 | 6.00 - 7.40 | 2 | 360 | 80 | Vertical | 60x22 Ø | N(F) | ▲ |
| SVD2-7500/1042 | 7.30 - 7.70 | 2 | 360 | 80 | Vertical | 62x21 Ø | N(M) | ▲ |
| SVD2-7790/1243 | 7.50 - 8.00 | 2.5 | 360 | 64 | Vertical | 43x16 Ø | SMA(F) | ▲ |
| RCO4-7900/854 | 7.75 - 8.25 | 4 | 360 | 30 | Right Circular | 113x109 Ø | N(F) | |
| EVD2-1000/533 | 9.10 - 12.00 | 2 | 360 | 80 | Vertical | 33x6 Ø | SMA(M) | ▲ |
| RCO4-1020-D2/630 | 9.40 - 11.00 | 4 | 360 | 50 | Right Circular | 189x85 Ø | SMA(F) | |
| RCO4-1020/613 | 9.40 - 11.00 | 4 | 360 | 50 | Right Circular | 92x85 Ø | SMA(F) | ▲ |

XPO2V-2.0-18.0/1397



SVD2-7200/1603



SVD2-7500/1042



SVD2-7790/1243

Actual Size



EVD2-1000/533

Actual Size



RCO4-1020/613



| | | | | | | | | |
|-----------------|---------------|-----|-----|----|----------------|----------|-----------|---|
| XP05-112VH/1122 | 10.70 - 11.70 | 5 | 360 | 18 | Dual V&H | 435x38 Ø | SMA(F) x2 | ▲ |
| XP05-122VH/1155 | 11.70 - 12.75 | 5 | 360 | 18 | Dual V&H | 425x38 Ø | SMA(F) x2 | |
| RCO4-12850/271 | 12.20 - 13.50 | 4 | 360 | 50 | Right Circular | 76x74 Ø | SMA(F) | ▲ |
| RCO3-149/1945 | 14.40 - 15.35 | 0.5 | 360 | 45 | Right Circular | 52x69 Ø | SMA(F) | |
| RCO3-149/1946 | 14.40 - 15.35 | 0.5 | 360 | 45 | Right Circular | 52x69 Ø | SMA(F) | |
| RCO3-149/1062 | 14.40 - 15.35 | 0.5 | 360 | 45 | Right Circular | 51x69 Ø | SMA(F) | ▲ |
| RCO4-149/1385 | 14.40 - 15.40 | 4 | 360 | 40 | Right Circular | 74x69 Ø | SMA(F) | |
| RCO4-149/1447 | 14.40 - 15.40 | 4 | 360 | 30 | Right Circular | 74x69 Ø | TNC(F) | ▲ |
| RCO4-149/1389 | 14.40 - 15.40 | 4 | 360 | 40 | Right Circular | 74x69 Ø | N(F) | ▲ |
| XHO10-145/1190 | 14.42 - 14.52 | 10 | 360 | 7 | Horizontal | 274x36 Ø | SMA(F) | |

XP05-112VH/1122



RCO4-12850/271



RCO3-149/1062



RCO4-149/1447



RCO4-149/1389



Catalogue

DIRECTIONAL

Ultra Wideband - all

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

DIRECTIONAL - ULTRA WIDEBAND

| | | | | | | | | |
|---------------------|-------------|-------------------------|-----|-----|----------------|------------|------------|---|
| UWBA15300/1221 | 0.15 - 3.00 | Request datasheet | | | Right Circular | 705x671x37 | N(F) | ▲ |
| PES-200-1000-NC/581 | 0.20 - 1.00 | 2 | n/a | n/a | Circular | 560x372x35 | N(F) | ▲ |
| PSA7530L/1147 | 0.50 - 3.00 | 1 (0.5) 4 to 6 (1-3) | 70 | 90 | Left Circular | 57x246 Ø | SMA(F) 90° | |
| PSA75301R/170 | 0.50 - 3.00 | 1 (0.5) 4 to 6 (1-3) | 70 | 90 | Right Circular | 57x246 Ø | SMA(F) 90° | ▲ |
| PSA-50200-LP/1211 | 0.50 - 3.00 | 8 | 70 | 60 | Right Circular | 490x365x30 | N(F) | ▲ |

UWBA15300/1221



PES-200-500-NC/581



PSA 75301R/170



PSA-50200-LP/1211



BDPSA-50800-D2/1160



BDFPA-0.6-4.0-RL/1313



| | | | | | | | | |
|-----------------------|-------------|----------|----|----|----------------|-------------|---------------|-----|
| PSA-50200-LP/1421 | 0.50 - 3.00 | 8 | 70 | 60 | Right Circular | 490x365x31 | N(F) | |
| BDPSA5-50800-D2/1160 | 0.50 - 8.00 | 5 | 80 | 70 | Circular | 488x356x22 | SMA(F) x2 | ▲ |
| BDFPA-0.6-4.0-RL/1313 | 0.60 - 4.00 | 4.5 | 75 | 75 | Circular | 280x227x50 | N(F) 1m cable | ▲ |
| FPA-0.6-6.0R/1562 | 0.60 - 6.00 | 1 to 6 | 70 | 70 | Circular | 50x219 Ø | N(F) | ▲ |
| PSA-8025R/707 | 0.80 - 2.50 | 4.5 to 8 | 65 | 65 | Right Circular | 48x220 Ø | N(F) | ▲ |
| FPA3-0.8-6.0R/1329 | 0.80 - 6.00 | 4.5 | 80 | 80 | Right Circular | 50x219 Ø | N(F) | ▲ |
| FPA3-0.8-6.0L/1812 | 0.80 - 6.00 | 4.5 | 80 | 80 | Left Circular | 50x219 Ø | N(F) | ▲ |
| FPA-0.8-2.2R/1730 | 0.80 - 2.20 | 6.5 | 71 | 73 | Right Circular | 387x235x176 | N(F) | p45 |

FPA4-0.6-6.0R/1562



PSA-8025R/707



FPA3-0.8-6.0R/1329



FPA3-0.8-6.0L/1812



PSA0218R/1142



PSA0218L/1276



| | | | | | | | | |
|----------------|--------------|-----------------|----|----|----------------|----------|--------|---|
| PSA10401L/1169 | 1.00 - 4.00 | 4 to 6 | 90 | 90 | Left Circular | 42x150 Ø | N(F) | |
| PSA1040R/1366 | 1.00 - 4.00 | -5 to +7.5 | 75 | 75 | Right Circular | 80x100 Ø | SMA(F) | |
| PSA10401R/643 | 1.00 - 4.00 | 4 to 6 | 90 | 90 | Right Circular | 76x150 Ø | N(F) | |
| PSA0218L/1501 | 2.00 - 18.00 | 0 to -2 | 75 | 75 | Left Circular | 45x56 Ø | SMA(F) | |
| PSA0218R/1142 | 2.00 - 18.00 | 0 to -2 | 75 | 75 | Right Circular | 40x52 Ø | SMA(F) | ▲ |
| PSA0218L/1276 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Left Circular | 39x62 Ø | SMA(F) | ▲ |

DIRECTIONAL and SECTOR

Ultra Wideband - all

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---------------|------------------|-----------------|----------------------|----|----------------|------------------|-----------------|------------|
| PSA0218R/1277 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Right Circular | 65x68 Ø | SMA(F) | ▲ |
| PSA0218R/1278 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Right Circular | 39x62 Ø | SMA(F) | ▲ |
| PSA0218L/1084 | 2.00 - 18.00 | -1(2-4) 2(4-18) | 75 | 75 | Left Circular | 65x68 Ø | SMA(F) | ▲ |
| PSA0218L/1361 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Left Circular | 51x61 Ø | N(F) | ▲ |
| PSA0218R/1360 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Right Circular | 51x61 Ø | SMA(F) | ▲ |
| PSA0218L/1333 | 2.00 - 18.00 | -4(2-4) 2(4-18) | 75 | 75 | Left Circular | 51x61 Ø | SMA(F) | ▲ |

PSA0218R/1277

PSA0218R/1278

PSA0218L/1084

PSA0218L/1361

PSA0218R/1360

PSA0218L/1333



| | | | | | | | | |
|--------------------|--------------|-----------------|-----|----|----------------|---------|--------|---|
| PSA0218R/1362 | 2.00 - 18.00 | -4(2-4) 2(6-18) | 75 | 75 | Right Circular | 51x61 Ø | N(F) | ▲ |
| FPA-4.0-6.0R/1787 | 4.00 - 6.00 | 4 | 90 | 90 | Right Circular | 39x62 Ø | N(F) | ▲ |
| FPA-4.0-18.0L/1757 | 4.00 - 18.00 | 0.5 - 4.8 | 360 | 80 | Left Circular | 37x37 Ø | SMA(F) | ▲ |
| PSA0818R/1308 | 8.00 - 18.00 | 4 | 90 | 90 | Right Circular | 21x24 Ø | SMA(F) | ▲ |
| PSA-0818L/1045 | 8.00 - 18.00 | 4 | 90 | 90 | Left Circular | 21x24 Ø | SMA(F) | ▲ |

PSA0218R/1362

FPA-4.0-6.0L/1787

FPA-4.0-18.0L/1757

PSA0818R/1308

PSA0818L/1045



SECTOR - ULTRA WIDEBAND

| | | | | | | | | |
|--------------------------|--------------|----|-----|----|----------|------------|------|---|
| SA9-180-0.96-1.22V/1814 | 0.96 - 1.215 | 9 | 180 | 20 | Vertical | 1228x250 Ø | N(F) | ▲ |
| SA13-120-0.96-1.22V/1694 | 0.96 - 1.22 | 13 | 110 | 9 | Vertical | 1650x155 Ø | N(F) | |

SA9-180-0.96-1.22V/1814



Ultra Wideband and Extended Performance

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

OMNI - ULTRA WIDEBAND, HIGH PERFORMANCE

| | | | | | | | | |
|-----------------------|--------------|--------|-----|----|----------|------------|---------|---|
| OA2-0.1-6.0/1692 | 0.10 - 0.50 | | | | | | | |
| | 0.50 - 6.00 | 2 | 360 | 80 | Vertical | 1250x140 Ø | N(F) x2 | ▲ |
| XPO2V-150-600/148 | 0.15 - 0.60 | 2 | 360 | 80 | Vertical | 806x156 Ø | N(F) | ▲ |
| XPO3V-300-600/83 | 0.30 - 0.60 | 3 | 360 | 80 | Vertical | 500x96 Ø | N(F) | ▲ |
| OA2-0.3-1.0V/1530 | 0.30 - 1.00 | 2 | 360 | 60 | Vertical | 472x104 Ø | N(F) | |
| OA2-0.3-10.0V/1667 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1668 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| OA2-0.3-10.0V/1505 | 0.30 - 10.00 | 2 | 360 | 65 | Vertical | 306x162 Ø | N(F) | |
| XPO3V-500-1300-LP/586 | 0.50 - 1.30 | 1 to 2 | 360 | 80 | Vertical | 275x108 Ø | N(F) | |
| XPO2V-500-1300/1351 | 0.50 - 1.30 | 1 to 2 | 360 | 80 | Vertical | 326x108 Ø | N(F) | ▲ |
| XPO3V-500-1300/034 | 0.50 - 1.30 | 1 to 2 | 360 | 80 | Vertical | 333x108 Ø | N(F) | ▲ |
| OA2-0.8-6.0V/1665 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| OA2-0.8-6.0V/1666 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | |
| XPO2V-0.8-6.0-GF/1441 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x108 Ø | N(F) | ▲ |

OA2-0.1-6.0/1692



XPO2-15-600/148



XPO3V-300-600/83



XPO2V-500-1300/1351



XPO3V-500-1300/034



XPO2V-0.8-6.0GF/1441



| | | | | | | | | |
|---------------------|--------------|-----|-----|------|----------|------------|-------|---------|
| XPO2V-0.8-6.0/1485 | 0.80 - 6.00 | 2 | 360 | 75 | Vertical | 143x79 Ø | N(F) | ▲ |
| OA2-0.85-6.0V/1699 | 0.84 - 6.00 | 1 | 360 | 60 | Vertical | 170x60 Ø | N(F) | ▲ |
| XPO2V-880-2175/1355 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 221x50 Ø | N(F) | ▲ |
| XPO2V-880-2175/1350 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 345x36 Ø | N(F) | ▲ |
| OA2-0.9-2.2V/1830 | 0.88 - 2.175 | 2 | 360 | 50 | Vertical | 262x31 Ø | QN(M) | above |
| OA2-0.8-2.2V/1726 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 345x36 Ø | N(F) | |
| XPO2V-880-2175/1060 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 221x50 Ø | N(F) | ▲ |
| XPO2V-880-2175/1321 | 0.88 - 2.175 | 2.5 | 360 | 50 | Vertical | 221x50 Ø | N(F) | ▲ |
| EVD2-960-1215/004 | 0.96 - 1.215 | 2 | 360 | 80 | Vertical | 281x26 Ø | N(F) | page 50 |
| EVD2-960-1215/628 | 0.96 - 1.215 | 2 | 360 | 80 | Vertical | 292x25 Ø | N(M) | page 50 |
| OA7-1090V/1328 | 0.96 - 1.215 | 7 | 360 | 16.5 | Vertical | 1040x180 Ø | N(F) | page 50 |

XPO2V-0.8-6.0/1485



OA2-0.85-6.0/1699



XPO2V-880-2175/1355



XPO2V-880-2175/1350



XPO2V-880-2175/1321



XPO2V-880-2175/1060



OMNI

Ultra Wideband and Extended Performance

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---------------------------|------------------|-------------|----------------------|------|----------------|------------------|-----------------|------------|
| XV07-960-1215/1120 Link16 | 0.96 - 1.215 | 7 | 360 | 16.5 | Vertical | 1029x79 Ø | N(F) | ▲ |
| XPO4-960-1215/1425 Link16 | 0.96 - 1.215 | 4.5 | 360 | 33 | Vertical | 620x79 Ø | N(F) | ▲ |
| OA2-1.0-6.0V/1794 | 1.00 - 6.00 | 1 | 360 | 80 | Vertical | 213x80 Ø flange | N(F) | ▲ |
| XPO2V-1.0-6.0/1442 | 1.00 - 6.00 | 2 | 360 | 70 | Vertical | 134x80 Ø | N(F) | ▲ |
| XPO2V-1.0-6.0/1512 | 1.00 - 6.00 | 2 | 360 | 70 | Vertical | 134x80 Ø | N(F) | ▲ |
| XPO2V-1150-1650/1036 | 1.15 - 1.65 | 2 | 360 | 70 | Vertical | 250x25 Ø | N(M) | ▲ |
| XPO7R-1500/138 | 1.45 - 1.55 | 7 | 360 | 20 | Right Circular | 707x158 Ø | N(F) | ▲ |



| | | | | | | | | |
|----------------------|---------------|------|-----|----|------------|------------|-----------|---------|
| OA2-1.6-3.0V/1683 | 1.65 - 3.00 | 2 | 360 | 63 | Vertical | 184x13 Ø | TNC(F) | ▲ |
| OA2-1.6-3.0V/1377 | 1.65 - 3.00 | 2 | 360 | 68 | Vertical | 186x75 Ø | N(F) | |
| OA2-HP-2.0V/1291 | 1.65 - 3.00 | 2 | 360 | 80 | Vertical | 253x25 Ø | N(F) | |
| XPO2V-1650-3000/140 | 1.65 - 3.00 | 2 | 360 | 80 | Vertical | 256x25 Ø | N(F) | |
| XPO2V-1650-3000/1354 | 1.65 - 3.00 | 2 | 360 | 80 | Vertical | 256x25 Ø | N(F) | ▲ |
| XPO2V-1710-2175/1007 | 1.70 - 2.17 | 3.5 | 360 | 50 | Vertical | 147x26 Ø | N(F) | ▲ |
| OA4-1.7-2.5V/1810 | 1.70 - 2.50 | 4 | 360 | 40 | Vertical | 256x50 Ø | N(F) | page 66 |
| OA2-1.7-6.0V/1624 | 1.70 - 6.00 | 2 | 360 | 70 | Vertical | 104x35 Ø | N(F) | |
| XV09-2150-D2/870 | 2.00 - 2.30 | 9.5 | 360 | 8 | Vertical | 1006x104 Ø | N(F) | |
| XPO2V-2.0-18.0/1397 | 2.00 - 18.00 | 2 | 360 | 70 | Vertical | 104x39 Ø | N(F) | ▲ |
| XV09-2150/708 | 2.02 - 2.28 | 9.5 | 360 | 8 | Vertical | 1006x106 Ø | N(F) | ▲ |
| XV010-3450/065 | 3.35 - 3.55 | 9.4 | 360 | 10 | Vertical | 600x96 Ø | N(F) | |
| XPO2V-30-42/560 | 3.30 - 4.20 | 4 | 360 | 40 | Vertical | 205x75 Ø | SMA(F) | |
| XV011-3500-D1/771 | 3.40 - 3.60 | 10.5 | 360 | 7 | Vertical | 904x98 Ø | 716(F) | |
| XV09-3880/944 | 3.70 - 4.06 | 9 | 360 | 7 | Vertical | 782x98 Ø | N(F) | |
| XPO2V-4.0-18.0/1382 | 4.00 - 18.00 | 1 | 360 | 60 | Vertical | 78x26 Ø | N(F) | |
| OA4-4.4-5.8V/1623 | 4.40 - 5.80 | 3.5 | 360 | 40 | Vertical | 154x26 Ø | N(M) | |
| XPO5-112VH/1122 | 10.70 - 11.70 | 5 | 360 | 18 | Dual V&H | 435x38 Ø | SMA(F) x2 | ▲ |
| XPO5-122VH/1155 | 11.70 - 12.75 | 5 | 360 | 18 | Dual V&H | 425x38 Ø | SMA(F) x2 | |
| XHO10-145/1190 | 14.42 - 14.52 | 10 | 360 | 7 | Horizontal | 274x36 Ø | SMA(F) | |



| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|
|-------|------------------|-------------|----------------------|--|--------------|------------------|-----------------|------------|

MULTI-SECTOR

| | | | | | | | | |
|-------------------|---------------|-----------------------------|-----------|------------|----------------------------|-------------|-----------|---|
| MSA5-1400/1131 | 1.31 - 1.43 | 12 sector 6.5 overhead | 88 57 | 19 56 | Vertical Right Circular | 735x197 Ø | N(F) | |
| MSA5-1.4V/1782 | 1.395 - 1.525 | 11.5 sector 4.4 overhead | 80 87 | 19 87 | Vertical Right Circular | 758x197 Ø | - | ▲ |
| MSA5-1.5V/1645 | 1.43 - 1.52 | 12 sector 7.5 overhead | 84 66 | 17.6 67 | Vertical Right Circular | 733x197 Ø | - | |
| MSA6-2.4V/1795 | 2.00 - 2.70 | 8 sector 8.5 overhead | 140 65 | 35 65 | Vertical Right Circular | 300x156 Ø | SMA(F) x6 | ▲ |
| DSA17-22V/522 | 2.02 - 2.28 | 17 | 65 | 8 | Vertical | 1143x334x14 | N(F) x2 | |
| MSA7-16-2350R/829 | 2.30 - 2.40 | 14 sector 6.5 overhead | 70 60 | 10 53 | Right Circular | 813x231 Ø | N(F) | ▲ |
| MSA5-10-24R/389 | 2.30 - 2.50 | 10 sector 6 overhead | 90 90 | 40 90 | Right Circular | 210x140 Ø | SMA(F) x5 | |
| MSA5-24R-D1/672 | 2.30 - 2.50 | 12 sector 7 overhead | 80 70 | 20 70 | Right Circular | 550x156 Ø | SMA(M) x5 | |
| MSA4-24R/199 | 2.30 - 2.50 | 13 | 90 | 20 | Right Circular | 706x156 Ø | N(F) | ▲ |

MSA5-1.4V/1782



MSA6-2.4V/1795



MSA7-16-2350R/829



MSA4-24R/199



MSA5-2.4V/1681



SA7-QUAD-24R/284



| | | | | | | | | |
|-------------------------|-------------|---------------------------|------------|------------|---|-------------|------------------------------|-------|
| MSA5-24R/223 | 2.30 - 2.50 | 13 sector 7 overhead | 80 80 | 20 80 | Right Circular | 706x156 Ø | N(F) | |
| MSA5-24L-ECS/1293 | 2.30 - 2.50 | 13 sector 7 overhead | 90 80 | 20 80 | Left Circular | 583x156 Ø | - | |
| MSA5-24R-ECS/270 | 2.30 - 2.50 | 13 sector 7 overhead | 90 80 | 20 80 | Right Circular | 706x156 Ø | | |
| MSA5-24L-ECS/763 | 2.30 - 2.50 | 13 sector 7 overhead | 90 80 | 20 80 | Left Circular | 707x156 Ø | - | |
| DSA17-24V/466 | 2.30 - 2.50 | 17 | 65 | 8 | Vertical | 1143x335x14 | N(F) x2 | |
| MSA5-2.4V/1681 | 2.30 - 2.55 | 12.5 sector 7 overhead | 80 75.8 | 21 80.3 | Vertical Right Circular | 583x156 Ø | n/a | ▲ |
| SA7-QUAD-24R/284 | 2.30 - 2.68 | 7 sector | 80 | 80 | Right Circular | 85x85x69 | SMA(F) x4 | ▲ |
| DSA11-6-2450R-701/563 | 2.40 - 2.50 | 11 Rx, 6 Tx | 65 70 | 30 70 | Right Circular | 547x140x19 | SMA(F), SMA(M) 0.5m cable | |
| DSA11-6-2450R-NF/723 | 2.40 - 2.50 | 11 Rx, 6 Tx | 65 70 | 30 70 | Right Circular | 547x140x19 | N(F) 0.5m cable | above |
| MSA5-26L/117 | 2.48 - 2.68 | 13 sector 7 overhead | 90 80 | 20 80 | Left Circular | 706x156 Ø | N(F) | |
| DSA16-26VH/640 | 2.50 - 2.70 | 15.5 | 65 | 55 | Dual V&H | 652x250x10 | N(F) x4 | |
| 4SA12-26S45S45VS45/1063 | 2.50 - 2.70 | 12 | 75 | 20 | Linear 2x +45', 1x -45', 1x Vertical | 292x292x7 | MCX jack x1, PCB fs x3 | |
| 4SA9-26S45S45VS45/1064 | 2.50 - 2.70 | 9 | 75 | 45 | Linear 2x +45', 1x -45', 1x Vertical | 292x146x7 | MCX jack x1, PCB x3 | |

SECTORS

Multi-Sectors - all

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|---------------------|----------------------------|---------------------------|----------------------|------------|----------------------------|------------------|-----------------|------------|
| MSA5-3.3L/1407 | 3.20 - 3.40 | 12.5 sector 8 overhead | 68 64 | 16.7 62 | Left Circular | 583x156 Ø | - | ▲ |
| MSA5-3.4V/1435 | 3.35 - 3.55 | 13 | 80 | 16.5 | Vertical | 583x156 Ø | SMA(F) x5 | ▲ |
| MSA7-16-35R/497 | 3.40 - 3.50 | 15 sector 7 overhead | 70 70 | 10 60 | Right Circular | 681x156 Ø | N(F) | ▲ |
| MSA5-34R-ECS/374 | 3.40 - 3.60 | 13 sa 7 oh | 80 80 | 20 80 | Right Circular | 708x156 Ø | N(F) | ▲ |
| MSA5-34L-ECS/963 | 3.40 - 3.60 | 13 sector 7 overhead | 80 80 | 20 80 | Left Circular | 606x156 Ø | N(F) | ▲ |
| DSA17-35V/462 | 3.40 - 3.60 | 17 | 65 | 7 | Vertical | 816x201x12 | N(F) x2 | ▲ |
| MSA6-15-46L/879 | 4.40 - 4.80 | 15 sector 8.5 overhead | 70 60 | 8.4 55 | Left Circular | 623x158 Ø | N(F) | ▲ |
| MSA6-4.7V/1484 | 4.40 - 5.00 | 15 sector 8 overhead | 70 70 | 8 65 | Vertical Right Circular | 625x162 Ø | SMA(M) | ▲ |
| MSA6-90-4.7V/1554 | 4.40 - 5.00 | 13.8 sector 8 overhead | 90 70 | 8 65 | Vertical Right Circular | 627x162 Ø | SMA(M) | ▲ |
| MSA6-4.7V-5.5V/1622 | 4.40 - 5.00 5.25 - 5.85 | 12.5 | 70 | 20 | Vertical | 627x162 Ø | SMA(F) | ▲ |

MSA5-3.3L/1407



Base of MSA5-3.4V/1435



MSA7-16-35R/497



MSA5-34R-ECS/374



DSA17-35V/462



MSA6-16-46L/879



| | | | | | | | | |
|--------------------|---------------|--------|------------|-----|------------|------------|-----------|---|
| MSA3-5.5V/1891 | 5.10 - 5.90 | 12 | 120 | 12 | Vertical | 645x109 Ø | N(F) x3 | ▲ |
| DSA16-55VH/642 | 5.20 - 5.80 | 15 | 55H 65V | 10 | Dual V&H | 380x151x10 | N(F) x4 | ▲ |
| 4SA17-55V/876 | 5.25 - 5.825 | 17 | 60 | 7 | Vertical | 499x305x15 | SMA(F) x4 | ▲ |
| 4SA17-55H/981 | 5.25 - 5.825 | 4 x 17 | 55 | 7 | Horizontal | 499x305x15 | SMA(F) x4 | ▲ |
| MSA6-5.5V/1783 | 5.25 - 5.85 | 12.5 | 70 | 17 | Vertical | 51x162 Ø | SMA(F) | ▲ |
| DSA16-90-104H/775 | 10.15 - 10.65 | 15 | 90 | 6.5 | Horizontal | 310x179x23 | SMA(F) x2 | ▲ |
| SA10-HEX-105H/269 | 10.30 - 10.70 | 10 | 80 | 40 | Horizontal | 50x60 Ø | SMA(M) x6 | ▲ |
| MSA10-HEX-105V/250 | 10.30 - 10.80 | 10 | 80 | 40 | Vertical | 50x60 Ø | SMA(M) x6 | ▲ |
| SA10-HEX-130V/267 | 12.70 - 13.50 | 10 | 80 | 40 | Vertical | 50x60 Ø | SMA(M) x6 | ▲ |

MSA3-5.5V/1891



4SA17-55V/876



MSA6-5.5V/1783



MSA10-HEX-105V/250



Catalogue

OMNI and SECTOR Blade Antennas

Omni Blade antennas - all

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|--------------------------------|------------------|-------------|----------------------|-----|--------------|-------------------|-------------------|------------|
| SBA-0.35V/1856 blade | 0.342 - 0.36 | 2 | 360 | 74 | Vertical | 204x30, 40x40 | SMA(F) | |
| SBA-0.36V/1573 blade | 0.344 - 0.374 | 0 to 2 | 360 | 80 | Vertical | 160x32x40 | SMA(F) | |
| SBA-0.4V/1469 blade | 0.415 - 0.435 | 2.4 | 360 | 80 | Vertical | 40x40x175 | SMA(F) | page 38 |
| SBA-0.5V/1829 blade | 0.45 - 0.465 | 2 | 360 | 90 | Vertical | 40x40,30x160 | SMA(F) | page 38 |
| SBA-0.8V/1780 blade | 0.76 - 0.83 | 0 | 360 | 60 | Vertical | 90x44 Ø | TNC(F) | |
| SBA-900/1249 blade | 0.902 - 0.928 | 0 to 2 | 360 | 100 | Vertical | 25x77x3, 44 Ø | TNC(F) | ▲ |
| SBA-1.3V/1885 blade | 1.15 - 1.35 | 0.2 | 360 | 70 | Vertical | 53x25, 44 Ø | TNC(F) | |
| SBA-1.4V/1765 blade | 1.31 - 1.49 | 0 | 360 | 90 | Vertical | 30x2x120 | SMA(F) | |
| SBA-1470/702 blade | 1.42 - 1.52 | 0 to 1 | 360 | 80 | Vertical | 100x67x12 | SMA(F) | |
| SBA-1480/1297 blade | 1.43 - 1.52 | 2 | 360 | 80 | Vertical | 120x22x2 | SMA(F) | page 52 |
| SBA-1500-502/445 blade | 1.45 - 1.55 | 2 | 360 | 80 | Vertical | 72x14x126 | SMA(F) | page 53 |
| SBA-1500/055 blade | 1.45 - 1.55 | 2 | 360 | 80 | Vertical | 100x9x122 | SMA(F) | page 53 |
| SBA-1700/154 blade | 1.65 - 1.75 | 2 | 360 | 80 | Vertical | 100x25x95 | SMA(F) | |
| SBA-1790/1298 blade | 1.75 - 1.82 | 2 | 360 | 80 | Vertical | 105x30x2 | SMA(F) | |
| SBA-2.0/1418 blade | 1.98 - 2.01 | 2 | 360 | 60 | Vertical | 97x50x41 | MCX 90 0.1m cable | |
| SBA-2.3V/1470 blade | 2.00 - 2.50 | 2 | 360 | 50 | Vertical | 89x30x3 | SMA(F) | ▲ |
| SBA-2.5V/1739 blade | 2.00 - 2.50 | 2 | 360 | 50 | Vertical | 89x30x3 | SMA(F) | |
| SBA-2295/1299 blade | 2.20 - 2.39 | 2 | 360 | 80 | Vertical | 90x30x3 | SMA(F) | page 68 |
| SBA-2450-2300RG316/1184 blade | 2.40 - 2.50 | 2 | 360 | 80 | Vertical | 75x28x3 | SMA(M) 2.3m cable | |
| SBA-2450-VOR/859 blade | 2.40 - 2.48 | -3 | 360 | 80 | Vertical | 68x15x43 | SMA(F) 0.1m cable | |
| SBA-2450-2400-RG316/1173 blade | 2.40 - 2.50 | 2 | 360 | 80 | Vertical | 75x25x3 | SMA(M) 2.4m cable | ▲ |
| SBA2450-02/185 blade | 2.40 - 2.50 | 2 | 360 | 80 | Vertical | 67x25, 100x9 base | SMA(F) | |
| SBA3150/731 blade | 3.00 - 3.30 | 2 | 360 | 80 | Vertical | 100x25x54 | SMA(F) | |
| SBA4-3450/987 blade | 3.375 - 3.75 | 4 | 360 | 40 | Vertical | 44x3x112 | SMA(F) | |
| SBA3500/732 blade | 3.40 - 3.60 | 2 | 360 | 80 | Vertical | 100x25x54 | SMA(F) | |
| SBA3800/220 blade | 3.60 - 4.00 | 2 | 360 | 80 | Vertical | 100x25x55 | SMA(F) | |
| SBA-3800-D1/1040 blade | 3.60 - 4.00 | 2 | 360 | 70 | Vertical | 54x3, 26 Ø base | SMA(F) | |
| SBA-38/919 blade | 3.80 - 4.00 | 4 | 360 | 60 | Vertical | 43x25x112 | SMA(F) | page 79 |
| SBA-49/621 blade | 4.80 - 5.10 | 2 | 360 | 80 | Vertical | 100x25x54 | SMA(F) | |
| SBA-5200/476 blade | 5.10 - 5.30 | 2 | 360 | 70 | Vertical | 100x25x54 | N(F) | |

Left to right

SBA-2.3V/1470 (omni)

SBA-900/1249 (omni)



SBA-2450-2400-RG316/1173



OMNI and SECTOR Blade Antennas

Sector Blade type antennas - all

| Model | Frequency GHz | Gain dBi | Beamwidth az' el' | | Polarisation | Dimensions mm | Connector/Cable | Photo ▲ |
|----------------------------|-----------------------------|-------------|----------------------|------|--------------|------------------|------------------------|------------|
| Sector BLADE | | | | | | | | |
| HDA-368/1025 blade | 0.36 - 0.37 | 0 to 2 | 140 | 90 | Mixed | 161x125x1 | SMA(F) | |
| HDA-0.38/1811 blade | 0.369 - 0.389 | 0 | 64 | 126 | Linear | 202x52x2 | SMA(M) 1m cable | page 37 |
| HDA-462/517 blade | 0.462 | 0 to 2 | n/a | n/a | Mixed | 130x100x1 | SMA(M) 1m cable | |
| HDA-0.9V/1798 blade | 0.87 - 0.69 | 0 to 2 | 360 | 80 | Vertical | 35x25x7 | SMA(M) 1.5m cable | |
| HDA-1.2V/1545 blade | 1.15 - 1.26 | 1.3 | 120 | 100 | Vertical | 82x38x47 | SMA(M) 0.25m cable | page 48 |
| HDA-1275/1561 blade | 1.20 - 1.35 | 4 | 75 | 175 | Horizontal | 120x75x2 | TNC(M) 1m LMR195 cable | page 48 |
| HDA-1275/1148 blade | 1.20 - 1.35 | 4 | 75 | 175 | Horizontal | 120x74x1 | SMA(M) 90° | ▲ |
| HDA-1275/1274 blade | 1.20 - 1.35 | 4 | 75 | 175 | Horizontal | 120x74x1 | SMA(M) 90° | |
| HDA-1.3V/1632 blade | 1.26 - 1.40 | 2 | 170 | 80 | Vertical | 82x38x47 | SMA(M) 0.3m cable | page 48 |
| HDA-1.3V/1488 blade | 1.26 - 1.40 | 5 | 120 | 70 | Vertical | 81x37x46 | SMA(M) | page 48 |
| HDA-1394-SMA/903 blade | 1.35 - 1.43 | 2 | 360 | 80 | Vertical | 82x38x44 | SMA(M) 0.68m cable | |
| HDA-1394-SMA90/785 blade | 1.35 - 1.43 | 2 | 360 | 80 | Vertical | 82x38x44 | SMA(M) 90° 0.14m cable | |
| HDA-1.6V/1682 blade | 1.55 - 1.70 | 3.5 | 123 | 70 | Vertical | 81x37x46 | SMA(M) 0.25m cable | |
| HDA-1800-502-D2/655 blade | 1.71 - 1.88 | 3 | 140 | 70 | Mixed | 90x46x45 | N(F) 0.5m cable | |
| HDA-1800-502-D4/1002 blade | 1.71 - 1.88 | 3 | 140 | 70 | Vertical | 90x46x45 | N(F) 0.3m cable | |
| HDA-1800-502-D3/1001 blade | 1.71 - 1.88 | 3 | 142 | 72 | Vertical | 90x46x44 | N(F) 0.3m cable | |
| HDA-1800-502/381 blade | 1.71 - 1.88 | 3 | 142 | 72 | Mixed | 90x46x44 | N(F) 0.5m cable | page 49 |
| HDA-1800-2050/769 blade | 1.71 - 1.88 1.92 - 2.175 | 2 | 140 | 70 | Dual V&H | 180x46x43 | SMA(M) 1m cable x2 | |
| HDA-1.9V/1797 blade | 1.71 - 2.17 | 0 to 1 | | | Vertical | 35x45 | SMA(M) | |
| HDA-2050-D2/1030 blade | 1.92 - 2.175 | 4.5 | 150 | 80 | Vertical | 90x46x44 | SMA(M) 0.5m cable | |
| HDA-2050/913 blade | 1.92 - 2.175 | 4.5 | 150 | 80 | Vertical | 90x46x44 | SMA(M) 0.5m cable | page 63 |
| HDA-2.4V/1689 blade | 2.20 - 2.70 | 3.4 | 169 | 85 | Vertical | 82x38x47 | SMA(M) 0.3mm cable | |
| DHDA-2.4V/1448 blade | 2.28 - 2.55 | 1 | 160 | 78.5 | Vertical | 82x47x37 | SMA(M) 0.4m cable | ▲ |
| HDA-2.4V/1423 blade | 2.28 - 2.55 | 4.5 | 160 | 78.5 | Vertical | 82x47x37 | SMA(M) 0.25m cable | ▲ |
| HDA-2460-SMA(M)/902 blade | 2.40 - 2.50 | 2 | 120 | 120 | Dual V&H | 36x50 Ø | SMA(M) 1m cable | |
| HDA-2460/024 blade | 2.40 - 2.50 | 2 | 120 | 120 | Dual V&H | 50x50 Ø | TNC(M) 1m cable | page 64 |
| HDA-3.3V/1543 blade | 3.10 - 3.40 | 4.7 | 160 | 75 | Vertical | 82x38x47 | SMA(M) 0.25m cable | |



HDA-1275/1148



DHDA-2.4V/1448



HDA-2.4V/1423

Catalogue

Accessories

Combiners and Dividers

| Model | Description | Frequency GHz | Dimensions mm | Connector/Cable | Photo ▲ |
|-------|-------------|------------------|------------------|-----------------|------------|
|-------|-------------|------------------|------------------|-----------------|------------|

COMBINERS and DIVIDERS

| | | | | | |
|--------------------|--|---------------|------------|------------------------------|---|
| BMU2/005 | Broadband matching unit, 100 watts | 0.02 - 0.20 | 140x82x37 | N(F) | |
| BM2-200/596 | Broadband matching unit | 0.02 - 0.50 | 200x90x37 | N(F) | |
| BMU-25-500/1222 | Broadband Matching Unit | 0.025 - 0.50 | 126x82x30 | N(F) x2 | ▲ |
| BPF-0.96-1.22/1911 | Interdigital Bandpass Filter - Link 16 | 0.902 - 1.213 | 175x75x25 | Input N(F), Output, N(F) | ▲ |
| HCS-1080-02/012 | Combiner/Divider 5 way | 0.96 - 1.215 | 189x154x24 | N(F) x6 | |
| HCS-1080-01/001 | Combiner/Divider 5 way | 0.96 - 1.215 | 216x142x24 | N(F) x6 | |
| HC3-1080/010 | Combiner 3 way | 0.96 - 1.215 | 119x97x22 | N(F) x4 | |
| HC6-1080-01/224 | Power Divider, 6-way High Power | 0.96 - 1.215 | 189x154x24 | N(F) x7 | |
| MC6-1080-02/183 | Power Divider, 6-way | 0.96 - 1.215 | 163x100x20 | SMA(F) x7 | |
| BSF-1030-1090/1347 | Bandstop Filter - Link 16 | 0.96 - 1.27 | 210x85x100 | Input N(F), Output N(F) | ▲ |
| 2PDE-15-N/134 | Power Divider | 1.30 - 1.70 | 71x66x21 | N(F) x3 | |
| PDE-23/1012 | Splitter | 2.10 - 2.50 | 89x73x25 | N(F) x3 | ▲ |
| PDE4-2.3/1602 | 4 Way Splitter/Combiner | 2.20 - 2.40 | 85x85x290 | SMA(F) x5 | ▲ |
| 2PDE-24N-2FCC/331 | Power Divider | 2.40 - 2.50 | 72x66x21 | Input N(F), Output SMA(F) x2 | |
| 2PDE-26-N/174 | Equal 2 way Divider | 2.50 - 2.70 | 71x61x21 | N(F) x3 | |

BMU-25-500/1222
Broadband Matching Unit



PDE-23/1012
Splitter



PDE4-2.3/1602



BPF-0.96-1.22/1911
Interdigital Bandpass
Filter for Link 16
frequencies



BSF-1030-1090/1347
Bandstop Filter for Link16
frequencies



Accessories

Mounting Kits

| Model | Description | Finish SS = stainless steel MS = Mild Steel A = Aluminium | Dimensions mm | Weight kg |
|----------------------|--|--|------------------|--------------|
| MOUNTING KITS | | | | |
| MK001A | MK001A Magnetic mount for EVD2 omni, N(F) bulkhead connectors, protective rubber foot | Protective rubber foot | 102 Ø, 88x40 | - |
| MK032 | MK032 Mounting kit for sector antenna, fits 2" to 4.5" poles, tilt adjustment -3 to -10° | 304 SS, natural finish, 2.5mm thick | 160mm | 3.2 |
| MK056A | MK056A Bracket assembly for wall mount of tripod mount for FPA17-16RL/1096 antenna | Mild steel, matt black finish | 133x65 | - |
| MK112A | MK112A Universal mounting kit for panel antenna FPA19-1.5L, tripod format | Mild steel bracket, SS fixings, galvanised finish | 1000x163 | 15 |
| MK156A | MK156A Small tilting mounting kit | SS, natural finish | 128x94 | 3.2 |
| MK1A | MK1/A Mounting kit for sector antenna. Fits 1.6" to 4.7" (40 to 120mm) poles, ±10° when fixed 560mm apart | SS/aluminium, natural finish | - | 2.7 |
| MK2A | MK2/A Mounting kit for smaller omni antennas via M8 U-bolts | Mild steel/SS Zinc plated/natural | - | 3.6 |
| MK2B | MK2/B Mounting kit for flat panel antennas via M6 nuts | Mild steel/SS Zinc plated/natural | - | 3.6 |
| MK2C | MK2/C Mounting kit for large omni antennas via M10 set screws | Mild steel/SS Zinc plated/natural | - | 3.6 |
| MK3 | MK3 Mounting kit for sector antenna. Fits 51mm (2") poles | Zinc plated mild steel, natural finish SS | 100x51x38 | 0.52 |
| MK428 | MK428 Mounting kit | Aluminium | 108x108 | 0.226 |
| MK4A | MK4A Light weight pole mounting kit, fits poles up to 2" (50.8mm), mounts to omni antennas via M6 U-bolts | Zinc plated mild steel bracket, natural finish SS fixings | 115x105 | 1 |
| MK4B | MK4B Light weight pole mounting kit - fits up to 50.8mm (2") poles, mounts to flat panel antennas via studs in housing | Zinc plated mild steel bracket, natural finish SS fixings | 115x105 | 1 |
| MK4C | MK4C Mounting kit - fits up to 50.8mm (2") poles, mounts to omni antennas via M8 U-bolts | Zinc plated mild steel bracket, natural finish SS fixings | 115x105 | 1 |
| MK5 | MK5 Pole mounting kit for EVD2. Fits 50.8 to 127mm pole (2" to 5") | SS, natural finish | 100x100 | 0.5 |
| MK6A | MK6A Quick Deployment Spring Mount | 5.4Ø Wire, Carbon Steel Spring Aluminium Brackets, Zinc Plate + Black Pass, Spring Anodised Black Brackets | 127x138 Ø | 0.8 |
| MK6B | MK6B Quick Deployment Spring Mount | 7.0Ø Wire, Carbon Steel Spring Aluminium Brackets, Zinc Plate + Black Pass, Spring Anodised Black Brackets | 125x138 Ø | 0.85 |
| MK7B | MK7B Spring mount suitable for omni antennas with N(F) connector and 57mm Ø spigot | 7.0Ø wire, Carbon Steel Spring Aluminium Brackets. Finish Zinc Plate + Black Pass, Spring Anodised Black Bracket | 208x136 Ø | 1.3 |
| MK9 | MK9 Mounting kit to poles from 2" (50.8mm) to 4.5(114.5mm) Ø | 304 SS, natural finish | - | 3.2 |

BROCHURES



2012 Catalogue



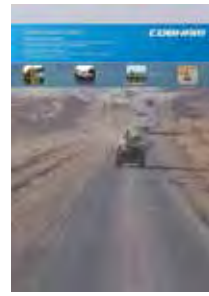
Total Capability



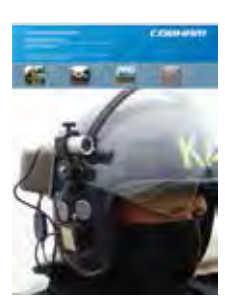
Antenna Testing



Ground Control



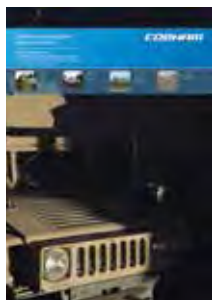
Electronic Warfare



Body Worn



Link 16



IED Countermeasures



WiMAX and LTE



Unmanned Systems



C-Band



Radar Systems



Cobham Antenna Systems, Microwave Antennas

M: Cobham Antenna Systems, Microwave Antennas
 Lambda House, Cheveley, Newmarket, Suffolk CB8 9RG, UK
 T: +44 (0)1638 732177
 F: +44 (0)1638 731999
 E: newmarket.sales@cobham.com

European Antennas Limited trading as Cobham Antenna Systems, Microwave Antennas

Cobham Antenna Systems, Microwave Antennas: Antenna Catalogue 270215

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