

**SPECIFICATION SHEET**

**JFW MODEL 50PD-869**

**8 WAY REACTIVE POWER DIVIDER/COMBINER**

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|                                      |   |
|--------------------------------------|---|
| Frequency Range                      | 6-40 GHz  |
| Impedance                            | 50 Ohms nominal   |
| VSWR                                 | 2.3:1 maximum<br>< 1.8:1 typical (divider port)<br>< 1.5:1 typical (combiner ports) |
| Insertion Loss<br>(above 9 dB split) | 2.8 dB maximum<br>1.5 dB typical @ 6 GHz<br>2.2 dB typical @ 40 GHz                 |
| Amplitude Tracking                   | ± 0.9 dB maximum<br>± 0.4 dB typical  |
| Phase Tracking                       | ± 9° maximum<br>± 6° typical  |
| Isolation                            | 15 dB minimum<br>18 dB typical  |
| RF Input Power                       | 10 Watts average (divider port)<br>0.25 Watts average (combiner ports)              |
| Temperature Range                    | -40°C to +85°C (operating)<br>-55°C to +125°C (storage)                             |
| RF Connector                         | 2.92mm female   |
| Physical Size                        | See outline drawing 092-9400  |

| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
|           | 09/09/2019 |     | TRS 09/09/2019 |           |      |     |             |