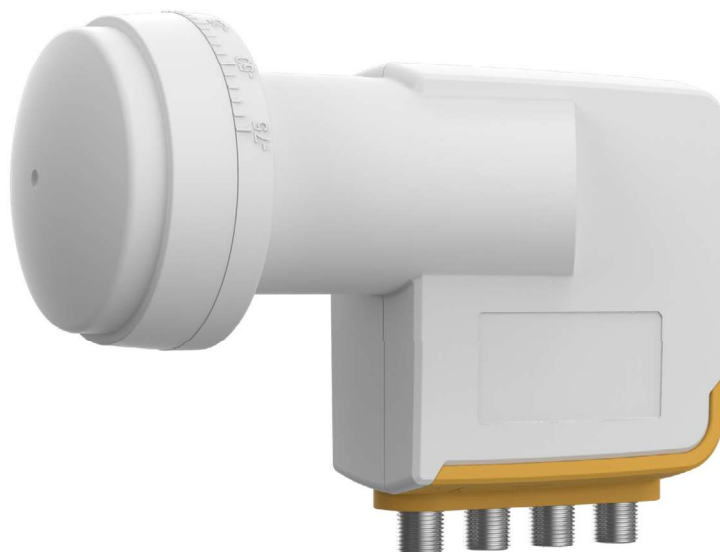




Unicable II®

40mm LNB with 3x Unicable ports

& total 32 User Bands + 1 Legacy port

IDLU-32L410-BMR1L-1PN

Item: 6292



Technical Specifications:

RF Part

Input Frequency Range

Noise Figure

Maximum LO Temperature Drift

Phase Noise

@ 1K Hz offset

@ 10K Hz offset

@ 100K Hz offset

Image Rejection

Cross-pol Isolation

10.7 ~ 12.75 GHz

0.7dB Max.

< ±3MHz

- 50 dBc/Hz

-75 dBc / Hz

-90 dBc / Hz

≥40 dB

≥20 dB

Universal Output Ports

Number of Output Ports

Output Connectors

Inner plastics color of Output Connectors

Output Frequency

1

IEC 61169-24 type F, female

White

Ku-Band Receive
Frequency (MHz)

L-Band Output
Frequency (MHz)

Low band 10700 11700 950 1950

High band 11700 12750 1100 2150

≥56 dB

Conversion Gain

Gain Flatness

Over 36MHz

Over Entire Band

Output Return Loss

Minimum In-Band Spurious

1dB Compression Point

Vertical Polarization Selection

2 dB Max.

8 dB Max.

8 dB Min.

-60 dBm Max.

2 dBm Min.

11 ~ 14 V

32 User
Bands

40
min

Programmable*

4K
Ultra HD

4G



Horizontal Polarization Selection
High Band Tone Selection

16 ~ 19 V
22 ± 4 KHz
600 ± 200 mVp-p

Unicable Output Ports
Number of Output Ports
Output Connectors
Inner plastics color of Output Connectors
Output Frequency Range
Output Return Loss
Userbands available on each Unicable output

3
IEC 61169-24 type F, female**
Blue (Pantone 288C)
950 ~ 2150 MHz
8 dB Min.

CH1 1210MHz (EN50494+EN50607)	CH17 1530MHz (EN50607)
CH2 1420MHz (EN50494+EN50607)	CH18 1566MHz (EN50607)
CH3 1680MHz (EN50494+EN50607)	CH19 1602MHz (EN50607)
CH4 2040MHz (EN50494+EN50607)	CH20 1638MHz (EN50607)
CH5 984MHz (EN50494+EN50607)	CH21 1716MHz (EN50607)
CH6 1020MHz (EN50494+EN50607)	CH22 1752MHz (EN50607)
CH7 1056MHz (EN50494+EN50607)	CH23 1788MHz (EN50607)
CH8 1092MHz (EN50494+EN50607)	CH24 1824MHz (EN50607)
CH9 1128MHz (EN50607)	CH25 1860MHz (EN50607)
CH10 1164MHz (EN50607)	CH26 1896MHz (EN50607)
CH11 1256MHz (EN50607)	CH27 1932MHz (EN50607)
CH12 1292MHz (EN50607)	CH28 1968MHz (EN50607)
CH13 1328MHz (EN50607)	CH29 2004MHz (EN50607)
CH14 1364MHz (EN50607)	CH30 2076MHz (EN50607)
CH15 1458MHz (EN50607)	CH31 2112MHz (EN50607)
CH16 1494MHz (EN50607)	CH32 2148MHz (EN50607)

Integrated Phase Noise
Intermodulation

1.5 °rms max

Second Order

<-32dBc

Third Order

<-32dBc

Output Signal Power (per stacked channel, under AGC)

-30 dBm

Amplitude Flatness over 36MHz (950 to 2150MHz)

<3 dB

Output Power Slope Compensation (950 to 2150MHz)

+3 ±1dB, Typically

TX / RX Command Protocol

EN-50494 and EN-50607

System

Unicable Outputs only (all User Bands active)

5.8 W max @ 11V - 20V

Universal Output only

2.75 W max

Universal and Unicable ports active Isolation over 950 to 2150MHz (Unicable Output to Unicable Output. Universal Output to Unicable Output)

5.8 W max

Operating Voltage Range

>30 dB

Ambient Operating Temperature

<0.3 dB

Neck diameter

11 ~ 19 V

Neck length

- 20°C ~ + 60°C

40mm

32 mm

