



# 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	10.7 ~ 12.75 GHz
Noise Figure	0.7dB Max.
Maximum LO Temperature Drift	< ±3MHz
Phase Noise	
@ 1K Hz offset	- 50 dBc/Hz
@ 10K Hz offset	-75 dBc / Hz
@ 100K Hz offset	-90 dBc / Hz
Image Rejection	≥40 dB
Cross-pol Isolation	≥20 dB
Universal Output Ports	
Number of Output Ports	1
Output Connectors	IEC 61169-24 type F, female
Inner plastics color of Output Connectors	White
Output Frequency	
	Ku-Band Receive Frequency (MHz)    L-Band Output Frequency (MHz)
Low band	10700    11700    950    1950
High band	11700    12750    1100    2150
Conversion Gain	≥56 dB
Gain Flatness	
Over 36MHz	2 dB Max.
Over Entire Band	8 dB Max.
Output Return Loss	8 dB Min.
Minimum In-Band Spurious	-60 dBm Max.
1dB Compression Point	2 dBm Min.
Vertical Polarization Selection	11 ~ 14 V

32 User Bands

40mm

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  
Third Order

<-32dBc  
<-32dBc

Output Signal Power (per stacked channel, under AGC)  
Amplitude Flatness over 36MHz (950 to 2150MHz)  
Output Power Slope Compensation (950 to 2150MHz)  
TX / RX Command Protocol

-30 dBm  
<3 dB  
+3 ±1dB, Typically  
EN-50494 and EN-50607

System

Unicable Outputs only (all User Bands active)  
Universal Output only  
Universal and Unicable ports active Isolation over 950 to 2150MHz (Unicable Output to Unicable Output. Universal Output to Unicable Output)  
Operating Voltage Range  
Ambient Operating Temperature  
Neck diameter  
Neck length

5.8 W max @ 11V - 20V  
2.75 W max  
5.8 W max  
>30 dB  
<0.3 dB  
11 ~ 19 V  
- 20°C ~ + 60°C  
40mm  
32 mm

