

## iDIRECT LNB Series

European Low Ku Band DRO LNB (P/N: E0001107-0001)

Americas Ku Band DRO LNB (P/N: E0001108-0001)

European High Ku Band DRO LNB (P/N: E0001109-0001)

iDirect's European Low, Americas, and European High Ku Band DRO LNBs down converters are satisfactory for networks with outbound carriers using up to 8PSK, recommended for use with our iINFINITI satellite routers.



### Electrical Specifications

Input Frequency Range	<b>Euro Low:</b> 10.95 to 11.70 GHz <b>Americas:</b> 11.70 to 12.20 GHz <b>Euro High:</b> 12.25 to 12.75 GHz
Output Frequency Range	<b>Euro Low:</b> 950 to 1,700 MHz <b>Americas:</b> 950 to 1,450 MHz <b>Euro High:</b> 950 to 1,450 MHz
Local Frequency	<b>Euro Low:</b> 10.00 GHz; <b>Americas:</b> 10.75 GHz; <b>Euro High:</b> 11.30 GHz
Conversion Gain	55 dB typ. @ +25°C; 50 dBm min.; 63 dB max. across temperature range
Noise Figure @ +25°C	0.7 dB typ., 1.0 dB max.
Local Stability	+/- 900 kHz max. (initial setting error and across temperature range)
Image Rejection	40 dB min.
Input V.S.W.R.	2.5 : 1 typ.
Output V.S.W.R.	2.0 : 1 max.
DC Power Requirement	
[Input Port]	IF Output Connector; DC Supply combined with IF Signal
[Voltage Range]	+12 to +24 VDC
[Current Drain]	110 mA typ., 150 mA max.

### Mechanical Specifications

Input Interface	Waveguide, WR-75 (with Groove)
Output Interface	F-Type, Female
Dimension & Housing (without Interface Connector)	82.2 (L) x 40 (W) x 40 (H) mm 3.24" (L) x 1.57" (W) x 1.57" (H)
Weight	220 g (0.48 lbs)

### Environmental Specifications

Temperature Range (ambient)	-40 to +60°C (operating) -40 to +80°C (storage)
Humidity	0 to 100%
Altitude	15,000 feet
Compliance	CE, FCC, RoHS

These products are manufactured in Japan and carry a 3-year warranty.

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### Mechanical Drawing

