



LNB

X-BAND EXT REF

LNB-100043, LNB-100055

SPECIFICATIONS

Noise Figure	0.8 dB max.	DC Power	+ 12V to + 24V DC
L.O Stability	Phase Locked to External Reference	Current	300 mA max.
Phase Noise (SSB) max.	-75 dBc/Hz at 1 KHz -85 dBc/Hz at 10 KHz -95 dBc/Hz at 100 KHz	Input (waterproof) LNB-100043 LNB-100055	CPR 112G waveguide grooved WR-112 with CPR112G waveguide adapter
Input VSWR	2.3: 1 max.	Output (waterproof)	SMA-Connector (50 Ohm)
Output VSWR	2.3: 1 max.	Dimensions (excludes connector): LNB-100043 LNB-100055 (w/o CPRG adapter) LNB-100055 (w/ CPRG adapter)	117.2 mm x 67.5 mm x 45.9 mm 118.0 mm x 70.0 mm x 59.0 mm 146.0 mm x 70.0 mm x 59.0 mm
Gain	55 dB typ. (50 dB min. 62 dB max.)	Weight	600 g
Gain Flatness (over full band)	4 dB p-p max.	Operating Temperature	- 40 to + 60°C
Output P1dB	+ 5 dBm min.	External Ref Freq	10 MHz (sine-wave), - 5 to + 5 dBm

FREQUENCY BAND

Frequency Band (GHz)	7.75 – 8.50
L.O. Frequency (GHz)	6.80
IF Frequency (MHz)	950 – 1700

MECHANICAL DIAGRAM

