



# LNB

## X-BAND EXT REF

### XT1000



### SPECIFICATIONS

<b>Noise Figure</b>	0.7 typ., 0.8 dB max. at room temp. @ CF
<b>L.O. Stability</b>	Phase Locked to External Reference
<b>Phase Noise (SSB) max.</b>	Depends on External Reference
<b>Input VSWR</b>	2.2 : 1 max.
<b>Output VSWR</b>	2.3 : 1 max.
<b>Gain</b>	55 dB typ., 50 dB min., 62 dB max.
<b>Gain Flatness (over full band)</b>	≤ 4 dB p-p
<b>Output P1dB</b>	+ 5 dBm min.

<b>DC Power</b>	+ 12V to + 24V DC
<b>Current</b>	300 mA max.
<b>Input (waterproof)</b>	WR-112 waveguide grooved
<b>Output (waterproof)</b>	F-Connector (75 Ohm) N-Connector (50 Ohm)
<b>Dimensions (L x W x H)</b>	137 mm x 70 mm x 59 mm (5.4 in x 2.8 in x 2.3 in)
<b>Weight</b>	600 g (21.16 oz)
<b>Operating Temperature</b>	- 40 to + 60°C
<b>Storage Temperature</b>	- 50 to + 70°C
<b>External Ref Freq</b>	10 MHz (sine-wave), -10 to 0 dBm

### FREQUENCY BANDS

<b>Frequency Band (GHz)</b>	7.25 - 7.75
<b>L.O. Frequency (GHz)</b>	6.30
<b>IF Frequency (MHz)</b>	950 - 1450

### HOW TO ORDER

## XT1000N

CONNECTOR

F - 75 Ohm  
N - 50 Ohm

LNB SERIES #

### MECHANICAL DIAGRAM

