



LNB

X-BAND AUTO-REF

XT1000H

AUTO-REF: Automatically switches to Internal PLL in the absence of an EXT REF 10MHz signal



SPECIFICATIONS

Noise Figure	0.7 typ., 0.8 dB max. at room temp. @ CF
L.O. Stability	± 10 KHz in PLL mode if no 10MHz Ext Ref present
Phase Noise (SSB) max.	-75 dBc/Hz at 1 kHz -85 dBc/Hz at 10 kHz -95 dBc/Hz at 100 kHz
Input VSWR	2.0 : 1 max.
Output VSWR	2.0 : 1 max.
Gain	60 dB typ., 56 dB min., 65 dB max.
Gain Flatness (over full band)	≤ 4 dB p-p
Output P1dB	+ 10 dBm min.

DC Power	+ 15V to + 24V DC
Current	270 mA max.
Input (waterproof)	WR-112 waveguide grooved
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)
Dimensions (L x W x H)	137 mm x 70 mm x 59 mm (5.4 in x 2.8 in x 2.3 in)
Weight	600 g (21.16 oz)
Operating Temperature	- 40 to + 60°C
Storage Temperature	- 50 to + 70°C
External Ref Freq	10 MHz (sine-wave), -10 to 0 dBm

Maximum Tx Band (7.9 - 8.4 GHz) signal level that will not saturate the LNB and cause any noise figure degradation:

-30 dBm maximum Tx input

FREQUENCY BANDS

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

HOW TO ORDER

XT1000HN

CONNECTOR F - 75 Ohm
 N - 50 Ohm

INTERNAL REFERENCE (AUTO-REF)

LNB SERIES #

MECHANICAL DIAGRAM

