



Norsat
International Inc.

Innovative Communication Solutions



LNB QUAD-BAND 1000XU



TYPICAL SPECIFICATIONS

Noise figure	0.8 dB
LO stability	Phase locked to External Reference
LO Phase noise	-73 dBc at 1 kHz -78 dBc at 10 kHz -100 dBc at 100 kHz -110 dBc at 1 MHz
Gain	60 dB
Output P1dB	+15 dBm
DC Power	
Band 1	13 V
Band 2	13 V / 22 KHz Tone
Band 3	18 V
Band 4	18 V / 22 KHz Tone

Current	350 mA
Specs for Tone	
Freq	22 kHz $\pm$ 4 kHz
Amp	0.6 $\pm$ 0.2 V
Duty Cycle	50% $\pm$ 10%
Input Waveguide	WR-75
Output (waterproof)	F-connector (75 ohm) N (Optional) (50 ohm)
Dimensions	138 x 70 x 44 (L x W x H)
Weight	300 g
Operating Temperature	-30 ~ +60°C
Storage Temperature	-40 ~ +80°C
External Ref Freq	10 MHz (sine-wave) -10 to 0 dBm

FREQUENCY BANDS AVAILABLE

	Band 1	Band 2	Band 3	Band 4
Frequency Band (RF Input)	10.7 ~ 11.7 GHz	10.95 ~ 11.7 GHz	11.7 ~ 12.75 GHz	12.20 ~ 12.75 GHz
LO Frequency	9.75 GHz	10.00 GHz	10.75 GHz	11.25 GHz
IF Frequency	950 ~ 1950 MHz	950 ~ 1700 MHz	950 ~ 2000 MHz	950 ~ 1500 MHz

HOW TO ORDER

1008XUN

CONNECTOR

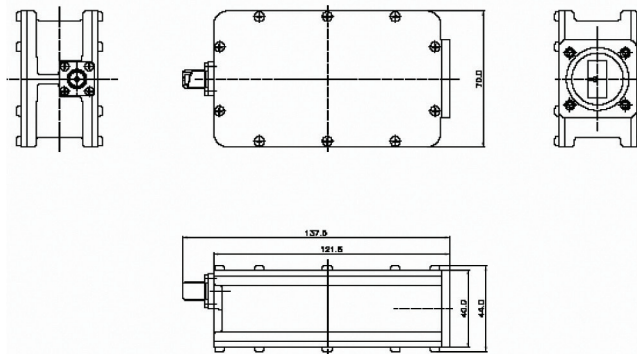
F - Standard
N - Optional

NOISE FIGURE

0.8 dB

LNB SERIES #

MECHANICAL DIAGRAM



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