

Norsat 1000H Series

Ku-Band PLL LNBs



TYPICAL SPECIFICATIONS

Noise figure	0.7 to 0.9 dB depending on model number
L.O. stability (over temperature excl offset)	±5 kHz to ±25 kHz
Phase noise (SSB)	-75 dBc/Hz at 1kHz -85 dBc/Hz at 10kHz -95 dBc/Hz at 100kHz
Input VSWR	2.0 : 1
Output VSWR	2.0 : 1

Conversion gain	62 dB
Output P1dB	7 dBm
Power requirements	+15 to +24 V supplied through center conductor of IF cable
Current drain	170 mA
Dimensions	110 (L) x 42 (W) x 42 (H) mm (4.3 x 1.7 x 1.7 in)
Weight	300 g / 10.6 oz

FREQUENCY BANDS AVAILABLE

Typical service	1000HA	1000HB	1000HC	1000HE *Special Order
Input frequency (GHz)	11.70 to 12.20	12.25 to 12.75	10.95 to 11.70	10.95 to 12.25
L.O. frequency (GHz)	10.75	11.30	10.00	10.00
Output frequency (MHz)	950 to 1450	950 to 1450	950 to 1700	950 to 2250

HOW TO ORDER KU-BAND 1000H

LNB SERIES #	CONNECTOR.....F · 75 Ohm N · 50 Ohm
	FREQUENCY.....A · 11.70 · 12.20 GHz B · 12.25 · 12.75 GHz C · 10.95 · 11.70 GHz E · 10.95 · 12.25 GHz
	NOISE FIGURE.....07 · 0.7 dB 08 · 0.8 dB 09 · 0.9 dB
	L.O. STABILITY.....5 · ±5 kHz 1 · ±10 kHz 2 · ±25 kHz

MECHANICAL DIAGRAM

