

Norsat 4000A Series

Ku-Band Digital LNBs



TYPICAL SPECIFICATIONS

Noise figure	0.6 to 0.8 dB depending on model number
L.O. stability (over temperature excl offset)	±150 kHz to ±500 kHz depending on model number
Phase noise (SSB)	-65 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -100 dBc/Hz at 100kHz
Input VSWR	2.2 : 1
Output VSWR	2.2 : 1

Conversion gain	64 dB
Output P1dB	8 dBm
Power requirements	+15 to +24 V supplied through center conductor of IF cable
Current drain	120 mA
Dimensions	85 (L) x 43 (W) x 43 (H) mm (3.3 x 1.7 x 1.7 in)
Weight	120 g / 4.2 oz

FREQUENCY BANDS AVAILABLE

Typical service	4000A	4000B	4000C	4000D	4000K
Input frequency (GHz)	11.70 to 12.20	12.25 to 12.75	10.95 to 11.70	12.20 to 12.70	11.20 to 11.70
L.O. frequency (GHz)	10.75	11.30	10.00	11.25	10.25
Output frequency (MHz)	950 to 1450	950 to 1450	950 to 1700	950 to 1450	950 to 1450

HOW TO ORDER KU-BAND 4000

4106A

FREQUENCY.....	A · 11.70 · 12.20 GHz B · 12.25 · 12.75 GHz C · 10.95 · 11.70 GHz D · 12.20 · 12.70 GHz K · 11.20 · 11.70 GHz
NOISE FIGURE.....	06 · 0.6 dB 07 · 0.7 dB 08 · 0.8 dB
L.O. STABILITY.....	1 · ±150 kHz 2 · ±250 kHz 5 · ±500 kHz
LNB SERIES #	

MECHANICAL DIAGRAM

