



Norsat
International Inc.

Innovative Communication Solutions

LNB C-BAND 5000 PLL



FEATURES

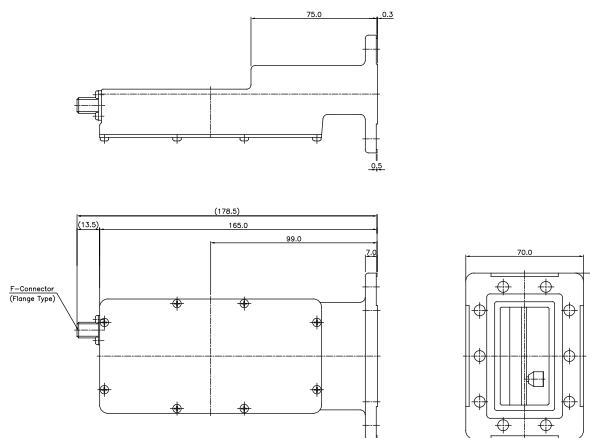
Ideal for DBV (Digital Broadcast Video), VSAT Broadband, Military Satcom, Point-of-Sale, and Oil and Gas applications

- LO Stability +/- 50 kHz to +/-100 kHz
- 15 K noise temperature
- 580 grams / 20.5 ounces

FREQUENCY BANDS AVAILABLE

Input frequency (GHz)	3.4 – 4.2 GHz
L.O. frequency (GHz)	5.15 GHz
Output frequency (MHz)	950 – 1750 MHz

MECHANICAL DIAGRAM



TYPICAL SPECIFICATIONS

L.O. stability	± 50 kHz – ± 100 kHz depending on model number
Noise temperature	15 K typ., 30 K max.
Phase noise	-65 dBc/Hz @ 1 kHz offset -80 dBc/Hz @ 10 kHz offset -95 dBc/Hz @ 100 kHz offset
Input VSWR & Output VSWR	2.3:1
Conversion gain	62 dB typical 55 dB min 70 dB max
Output P1dB	10 dBm
Power requirements	12 - 24V DC supplied through center conductor of IF cable
Current drain	250 mA
Input Waveguide	CPR 229G
Dimensions	190 (L) x 115 (W) x 78 (H) mm (7.1 x 4.0 x 2.8 in)
Weight	580 g / 20.5 oz
Temperature Range	-40°C to +60°C

HOW TO ORDER

5500F	CONNECTOR	F - 75 Ohm N - 50 Ohm
	L.O. STABILITY	5 - ± 50 kHz 7 - ± 75 kHz 1 - ± 100 kHz
	LNB SERIES #	

