



Norsat  
International Inc.

Innovative Communication Solutions

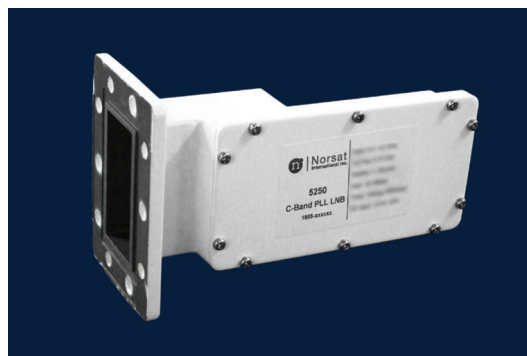
# LNB

## C-BAND PLL

### 5150R

#### SPECIFICATIONS

Noise Temperature	15K typ., 30K max. at room temp. @ CF
L.O. Stability	$\pm 150$ KHz, $\pm 250$ KHz
Phase Noise (SSB) max.	-65 dBc/Hz at 1 kHz -80 dBc/Hz at 10 kHz -95 dBc/Hz at 100 kHz
Input VSWR	2.5 : 1 max.
Output VSWR	2.5 : 1 max.
Gain	62 dB typ., 55 dB min., 70 dB max.
Gain Flatness (over full band)	$\leq 5$ dB p-p
Output P1dB	+ 5 dBm min.



DC Power	+ 12V to + 24V DC
Current	250 mA max.
Input (waterproof)	CPR 229G waveguide grooved
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)
Dimensions (L x W x H)	190 mm x 115 mm x 78 mm (7.1 in x 4.0 in x 2.8 in)
Weight	580 g (20.45 oz)
Operating Temperature	- 40 to + 60°C
Storage Temperature	- 50 to + 70°C

#### FREQUENCY BANDS

Frequency Band (GHz)	3.7 - 4.2
L.O. Frequency (GHz)	5.15
IF Frequency (MHz)	950 - 1450

#### HOW TO ORDER

## 5150RF

CONNECTOR	F - 75 Ohm N - 50 Ohm
L.O. STABILITY	15: $\pm 150$ kHz 25: $\pm 250$ kHz
LNB SERIES #	



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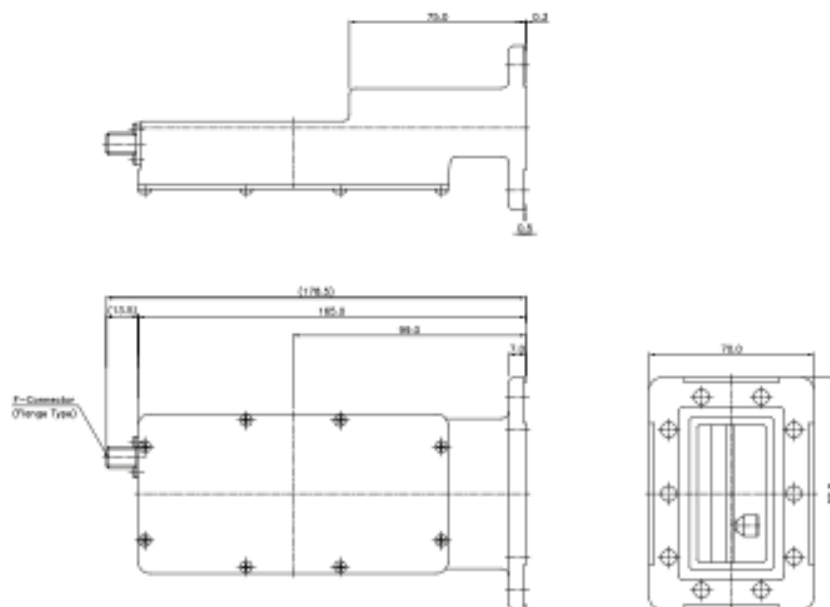


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## C-BAND 5150R PLL LNB

### MECHANICAL DIAGRAM



### TERRESTRIAL INTERFERENCE REJECTION

