



Norsat
International Inc.

Innovative Communication Solutions

LNB

C-BAND PLL

3000-sBPF SERIES

5G INTERFERENCE LNB

SPECIFICATIONS



Noise Temperature	37K typ., 60K max. at room temp. @ CF
Phase Noise (SSB) max.	-80 dBc/Hz at 1kHz -85 dBc/Hz at 10kHz -95 dBc/Hz at 100kHz
Input VSWR	2.2 : 1 max.
Output VSWR	2.5 : 1 max.
Gain	60 dB typ., 55 dB min., 70 dB max.
Gain Flatness (over full band)	≤ 6 dB p-p
Output P1dB	+9 dBm min.

DC Power	+12V to +24V DC
Current	400 mA max.
Switching Voltage	Band 1: 13V Band 2: 18V
Input (waterproof)	WR-229 waveguide grooved
Output (waterproof)	Type F Connector (75 Ohm) Type N Connector (50 Ohm)
Dimensions (L x W x H)	159 mm x 98.55 mm x 69.85 mm (6.26 in x 3.88 in x 2.75 in)
Weight	500 g (17.64 oz)
Operating Temperature	-40 to +60°C
Storage Temperature	-50 to +70°C
Protection Rating	IP66

FREQUENCY BANDS

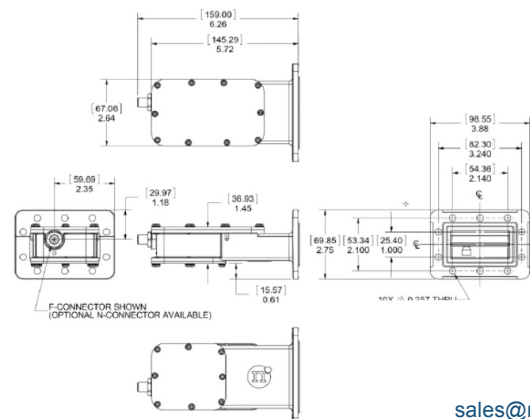
	Band 1	Option 4 Band 2	Option 5 Band 2	Option 6 Band 2
Input Frequency (GHz)	3.40 - 4.20	3.80 - 4.20	3.90 - 4.20	4.00 - 4.20
L.O. Frequency (GHz)	5.15	5.15	5.15	5.15
Output Frequency (MHz)	950 - 1750	950 - 1350	950 - 1250	950 - 1150
Rejection (-25dBm interference signal)	No rejection	< 3.7 GHz and > 4.8 GHz with no degradation	< 3.8 GHz and > 4.8 GHz with no degradation	< 3.9 GHz and > 4.8 GHz with no degradation

HOW TO ORDER

3200N-sBPF-5

FREQUENCY	4: 3.40 - 4.20 / 3.80 - 4.20 GHz 5: 3.40 - 4.20 / 3.90 - 4.20 GHz 6: 3.40 - 4.20 / 4.00 - 4.20 GHz
SWITCHABLE	
CONNECTOR	F: Type F Connector (75 Ohm) N: Type N Connector (50 Ohm)
L.O. STABILITY	0: ± 2 kHz 1: ± 10 kHz 2: ± 25 kHz 5: ± 100 kHz
LNB SERIES #	

MECHANICAL DIAGRAM



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