

Band Pass Filters

C-Band LNB and Band Pass Filter

Norsat's Low Noise Block downconverter plus Band Pass Filter provide signal reception for satellite communications while rejecting terrestrial interference in C-Band.

Available Frequency Bands:

3100F-BPF-4

Frequency Band: 3.80 - 4.20
 L.O. Frequency: 5.15
 IF Frequency: 950 - 1350
 Rejection Range: < 3.7 GHz and > 4.8GHz

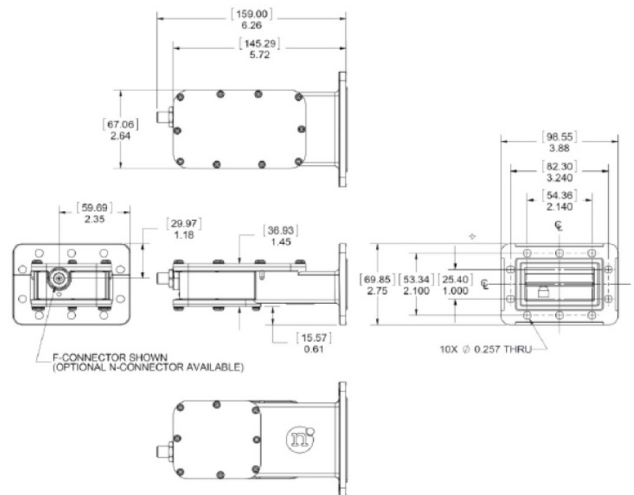
3100F-BPF-5

Frequency Band: 3.90 - 4.20
 L.O. Frequency: 5.15
 IF Frequency: 950 - 1250
 Rejection Range: < 3.8 GHz and > 4.8GHz

3100F-BPF-6

Frequency Band: 4.00 - 4.20
 L.O. Frequency: 5.15
 IF Frequency: 950 - 1150
 Rejection Range: < 3.9 GHz and > 4.8GHz

NT-3100F-BPF





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SPECIFICATIONS:

NOISE TEMPERATURE	60 MAX AT ROOM TEMP @CF
PHASE NOISE @ 1KHZ OFFSET:	-80 dBc/Hz
PHASE NOISE @ 10KHZ OFFSET:	-85 dBc/Hz
PHASE NOISE @ 100KHZ OFFSET:	-95 dBc/Hz
INPUT VSWR	2.2 : 1
OUTPUT VSWR	2.5 : 1
GAIN:	60 dB typ., 55 dB min., 70 dB max
GAIN FLATNESS	≤ 6 dB p-p
Output P1dB:	+ 9 dBm min.
Interference Rejection Signal	-25 dBm max. with no degradation
DC POWER	+ 12V to + 24V DCgrooved
CURRENT	400 mA max
INPUT	CPR229G waveguide grooved
OUTPUT	F CONNECTOR, N CONNECTOR
RETURN LOSS	+15dB
OPERATION TEMPERATURE	- 40 to + 60°C
STORAGE TEMPERATURE	- 40 to + 80°C
DIMENSIONS	159mm x 98.5mm x 70mm