



3000F-BPF-1

C-Band 5G LNB and Band Pass Filter

LO Stability: 0: ± 2 KHz

Output Connector: F: 75 Ohm

Frequency: 1: 3.70 - 4.20 GHz

Norsat's Low Noise Block downconverter plus Band Pass Filter provide signal reception for satellite communications while rejecting terrestrial interference in C-Band. We offer premium performance and reliability in the smallest form factor possible. Backed by a 3 year warranty and over forty years of experience as the industry's leading provider of high performance microwave components. 3000-BPF Series.



KEY SPECIFICATIONS

Band	C-Band
Input Frequency Band 1	3.70 - 4.20 GHz
LO Frequency 1	5.15 GHz
LO Stability	± 2 kHz
LO Type	PLL
Noise Figure Max	60K
Noise Figure Typ	37K
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1450 MHz
Product Family	3000-BPF Series
Rejection Range	< 3.6 GHz and > 4.8 GHz

RF SPECIFICATIONS

Conversion Gain Max	70 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 6 dB p-p max.
Input VSWR	2.2 : 1 max.
Output P1db	+ 9 dBm min.
Output VSWR	2.5 : 1 max.
Phase Noise 1khz Offset Max	-80 dBc/Hz
Phase Noise 10khz Offset Max	-85 dBc/Hz
Phase Noise 100khz Offset Max	-95 dBc/Hz



