



- 5G Interference Rejection
- Low power consumption
- Higher reliability from integrated design principle
- Compact size and light weight
- Meet ETSI, FCC standards



C-Band 5G Rejection LNB External (Include Cavity Waveguide BPF)

Model: BPFCLNB-4042

Specifications

Parameter	Specification
Input Freq.	4.00 - 4.20 GHz
Output Freq.	950 – 1150 MHz
L.O Freq.	5.15 GHz
Noise temperature	30°K max
Conversion gain at -40 to +60°C	60 dB typ. (55dB min. 65dB max.)
Gain flatness	4 dBp-p max.
Gain flatness at -40 to +60°C	4 dBp-p max.
Gain ripple at per 27MHz, -30 to +60°C	1 dBp-p max.
L.O stability at -40 to +60°C	depends on ext. ref.
Image rejection	70 dBc min.
Rejection	40 dB min. @ pass band +/- 50MHz 95 dB min. @ pass band +/- 100MHz 110dB min. @ pass band +/- 150MHz
Phase noise	-73 dBc/Hz @1KHz -83 dBc/Hz @10KHz -93 dBc/Hz @100KHz
Output P1dB	+10 dBm min.
Ext. ref. input freq. & power	10 MHz, -5 to +5 dBm
Ext. ref. input port	IF output connector
Input / Output VSWR	2.5: 1 max
Input waveguide flange	WR 229
Output connector	F, N -type female (option)
Power supply & current	+12 to +24V DC, 250 mA max.
Operating temperature	-40 to +60°C
Waterproof	IP 67
Dimension (exclude connector)	98.8 x 70.0 x 164.5 mm
Weight	575 g

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Mechanical Diagram (Unit: inch (mm))



