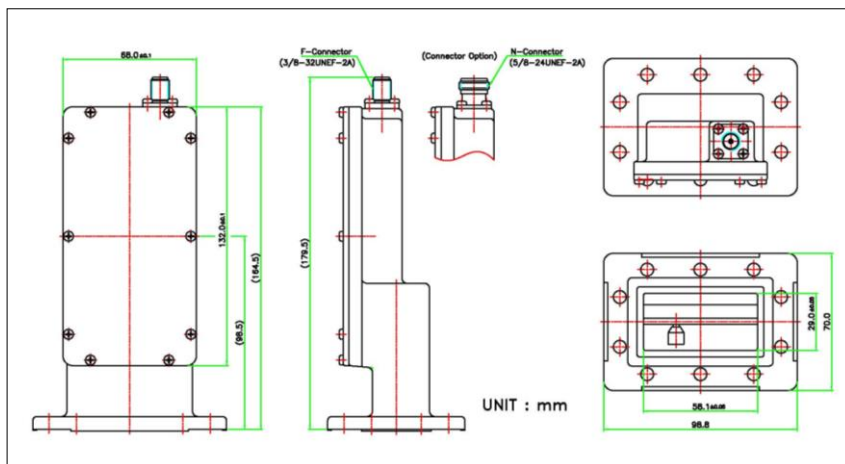


C-Band 5G Rejection LNB (Include Cavity Waveguide BPF)

G300(Internal), G300X(External) series (5G Interference Rejection)

Mechanical Drawing



Model No & Frequency

Model No.	Input freq.(GHz)	Output freq.(MHz)	L.O freq(GHz)
G300(X)-3742	3.70 - 4.20	950 - 1450	5.15
G300(X)-37542	3.75 - 4.20	950 - 1400	5.15
G300(X)-3842	3.80 - 4.20	950 - 1350	5.15
G300(X)-3942	3.90 - 4.20	950 - 1250	5.15
G300(X)-4042	4.00 - 4.20	950 - 1150	5.15

Specifications

(Temperature condition for the parameters not specified is at 23±3°C)

Parameter	Specification
Noise temperature	30°K max.
Conversion gain at -40 to +60°C	60dB 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, -40 to +60°C	1 dBp-p max.
L.O stability at -40 to +60°C	Internal type : ±5, 10, 25 KHz max. External type : 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 / 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