C-Band 5G Rejection PLL LNB (IF Filter Embedded)

B300R series : Internal reference

Model No. & Frequency (Customized frequency available)

Model No.	Input Freq. (GHz)	Output Freq. (MHz)	L.O Freq. (GHz)
B300R-362542	3.625 - 4.2	950 - 1525	5.15
B300R-3742	3.7 - 4.2	950 - 1450	5.15
B300R-3842	3.8 - 4.2	950 - 1350	5.15
B300R-3942	3.9 - 4.2	950 - 1250	5.15
B300R-4042	4.0 - 4.2	950 - 1150	5.15

Technical Specifications

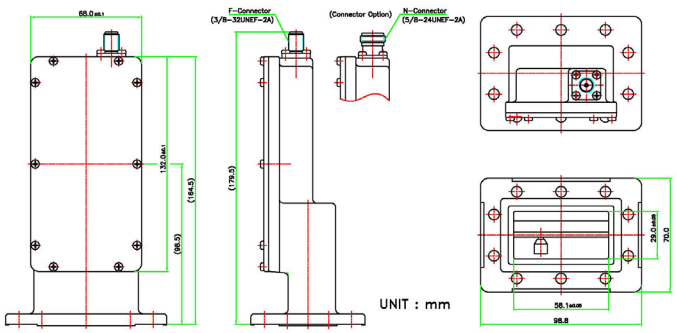
Parameter	Specification	Parameter	Specification
Noise temperature	25'K typ. 30'K max.	Output P1dB	+5 dBm min.
Conversion gain	60 dB typ.	Ext. input freq. & power	10 MHz, -5 to +5 dBm
	(55 dB min. 65 dB max.)	Ext. input port	IF output connector
Gain flatness	4 dBp-p max.	Input VSWR	2.5 : 1 max.
Gain ripple at per 27MHz	1 dBp-p max.	Output VSWR	2.5 : 1 max.
L.O stability	±5, 10, 25 KHz max.	Input waveguide flange	CPR 229G (with groove)
Image rejection	40 dBc min.	Output connector	F or N-type female
Band rejection	15dB min. @Pass band -50MHz	Power supply	+12 to +24V DC
	40dB min. @Pass band -100MHz	Required current	250 mA max.
	55dB min. @Pass band -200MHz	Operating temperature	-40 to +60℃
Phase noise	-73 dBc/Hz at 1KHz	Waterproof	IP 67
	-83 dBc/Hz at 10KHz	Dimension	98.8 x 70.0 x 164.5 mm
	-95 dBc/Hz at 100KHz	Weight	575 g

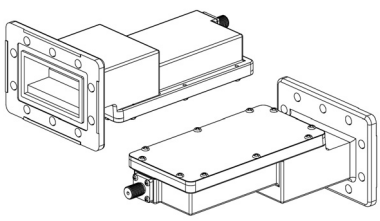
How to modeling

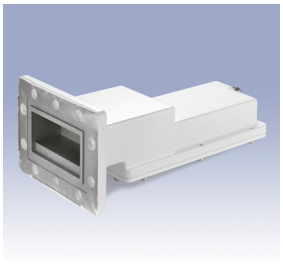
B3 25 R F - 3742

- Pass Band Frequency ---------- Refer to the above Model No.
- Connector ---------- **F** : F-type female, **N** : N-type female
- 5G Rejection ---------- Refer to the above band rejection of specification
- LO Stability ---------- **05** : ±5 KHz, **10** : ±10KHz, **25** : ±25KHz max.
- **C-Band PLL LNB**

Mechanical Diagram







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