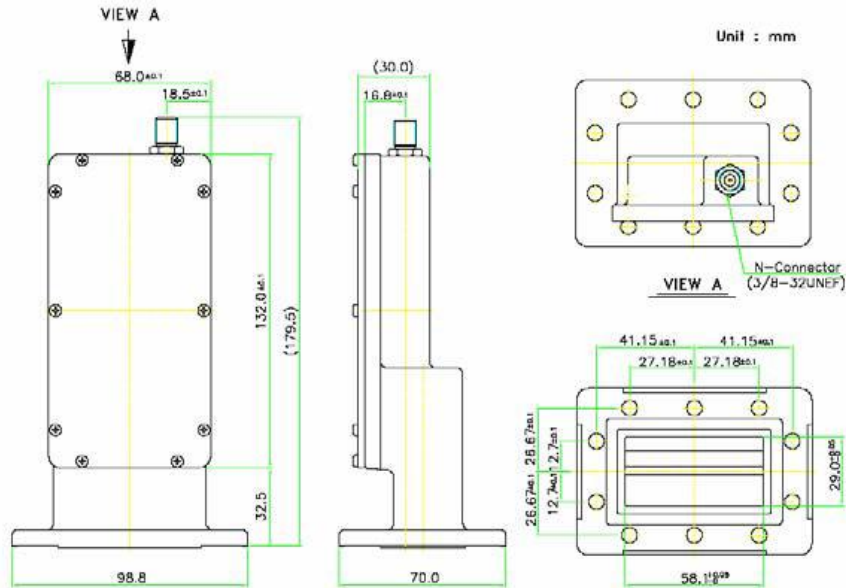


C- Band Internal Ref. PLL LNB

NEX- 300 Series

Outline Drawing



Model No & Frequency, Stability

Model No	Input Freq.(GHz)	Output Freq.(MHz)	L.O Freq. & Stability
NEX- 305	3.4 - 4.2	950 - 1750	5.15 GHz+/- 5 KHz
NEX- 310	3.4 - 4.2	950 - 1750	5.15 GHz+/- 10 KHz
NEX- 325	3.4 - 4.2	950 - 1750	5.15 GHz+/- 25 KHz

Specifications

Parameter	Specification
Noise temperature (@+25'C)	30'K max.
Input VSWR	2.5 : 1 max.
Image rejection	45 dBc min.
Conversion gain	65dB typ. 55dB min. 70dB max.
Output VSWR	2.5 : 1 max.
Gain flatness	4 dBp- p max.
Gain ripple (@per 27 MHz segment)	+/- 0.5 dB max.
1dB gain compression point	+3 dBm min.
Output impedance	75, 50 ohms
Leakage (@ input port)	- 45 dBm max.
Phase noise	- 65 dBc/Hz @1KHz offset - 80 dBc/Hz @10KHz offset - 95 dBc/Hz @100KHz offset
Power supply	+12 to +24V DC
Required current	250 mA max.
Operating temperature	- 40'C to +60'C
Storage temperature	- 40'C to +80'C
Relative humidity	0% to 95% RH
Input waveguide flange	WR- 229
IF output connector	F- Type female, N- Type female
Weight	575 g