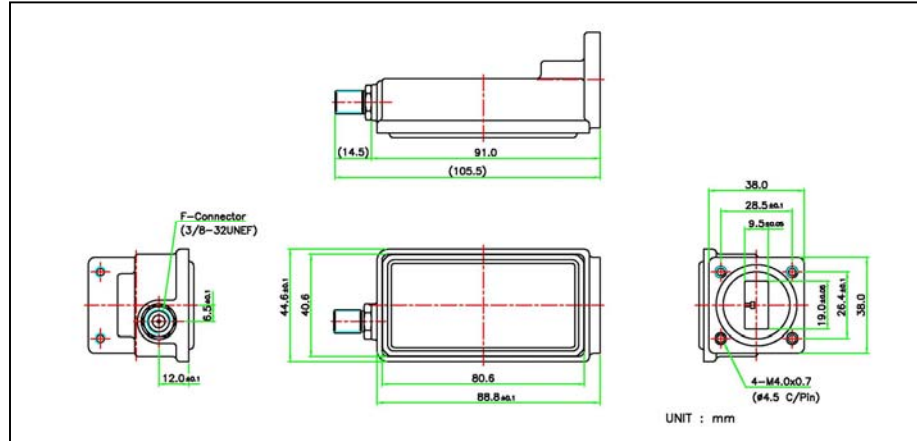




Ku-Band Ext. Ku-Band (10.7-12.75 GHz) PLL LNB

AL2L0150

Mechanical Drawing



Model No & Frequency

Model No.	Band	Input Frequency (GHz)	Output Frequency (MHz)	L.O Frequency (GHz)
AL2L0150	Low	10.7 ~ 11.7	950 ~ 19500	9.75
	High	11.7 ~ 12.75	1100 ~ 2150	10.6

Specifications

Parameter	Specification
Noise figure (@+25°C)	1dB max.
Input VSWR	2.5 : 1 max.
Image rejection	40 dBc min.
Conversion gain	60dB typ. (55dB min. 65dB max.)
Output VSWR	2.5 : 1 max.
Gain flatness (@ full band)	4 dBp-p max.
Gain ripple (@per 36 MHz)	1 dBp-p max.
1dB gain compression point (@1GHz)	0 dBm min.
Output impedance	75 ohms
Leakage (@ input port)	-45 dBm max.
L.O Stability (@over temp.)	+/- 150 KHz
Phase noise:	-60 dBc/Hz (@1KHz) -75 dBc/Hz (@10KHz) -90 dBc/Hz (@100KHz±10 MHz)
Ext. ref. input frequency	10MHz,
Ext. ref. input power	-5 to +5 dBm
Ext. ref. input port	IF output connector
Power supply	+12 to +26V DC
Required current	150 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-75
IF output connector	F-Type female
Weight	190 g