



- Frequency Range 11.7 - 12.75 GHz
- L.O stability Depends on ext. ref.
- Power supply +12 to +24V DC



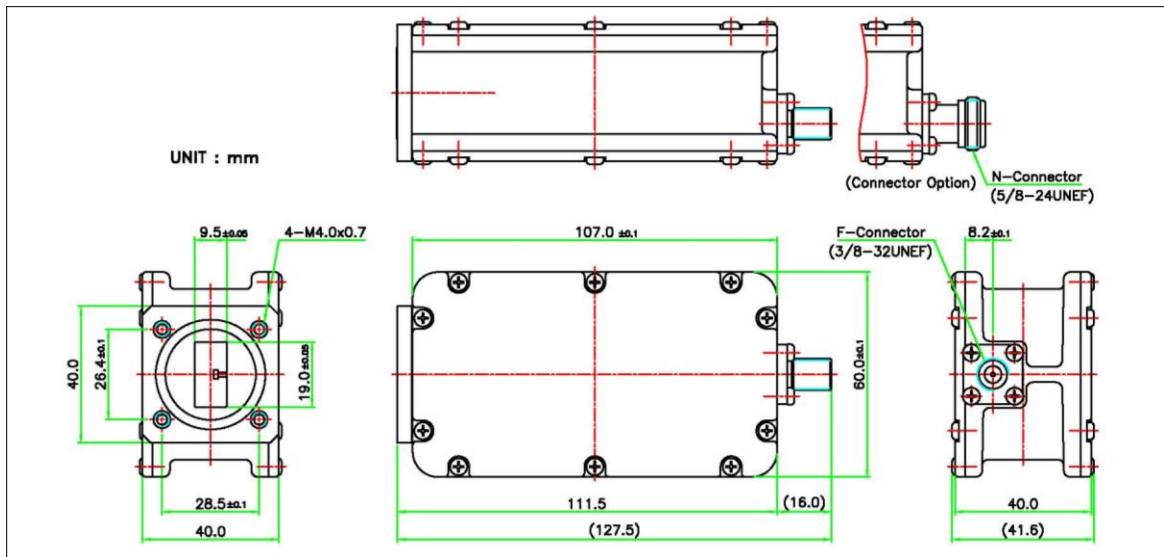
Low Noise Block Ku-Band PLL Ext. Ref. 15X (LNB)

Model: GLKU15X

Specifications

Parameter	Specification
Input Freq.	11.7 - 12.75 GHz
Output Freq.	950 – 2000 MHz
L.O Freq.	10.75 GHz
Noise figure	0.9 dB 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	5 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	40 dBc min.
Phase noise	-70 dBc/Hz (@ 1KHz) -80 dBc/Hz (@ 10KHz) -95 dBc/Hz (@ 100KHz)
Output P1dB	+5 dBm min.
Ext. ref. input freq. & power	10 MHz, -5 to +5 dBm
Ext. ref. input port	IF output connector
Input VSWR	2.5: 1 max
Output VSWR	2.5: 1 max
Input waveguide flange	WR-4275
Output connector	F, N -type female (option)
Power supply	+12 to +24V DC
Required current	350 mA max.
Operating temperature	-40 to +60°C
Waterproof	IP 67
Dimension (exclude connector)	60.0 x 41.6 x 111.5 mm
Weight	380 g

Mechanical Diagram (Unit: inch (mm))



www.geosatmicrowave.com

sales@geosatmicrowave.com