



- Frequency Range 12.2 - 12.7 GHz
- L.O stability ± 5 KHz max
- Power supply +12 to +24V DC

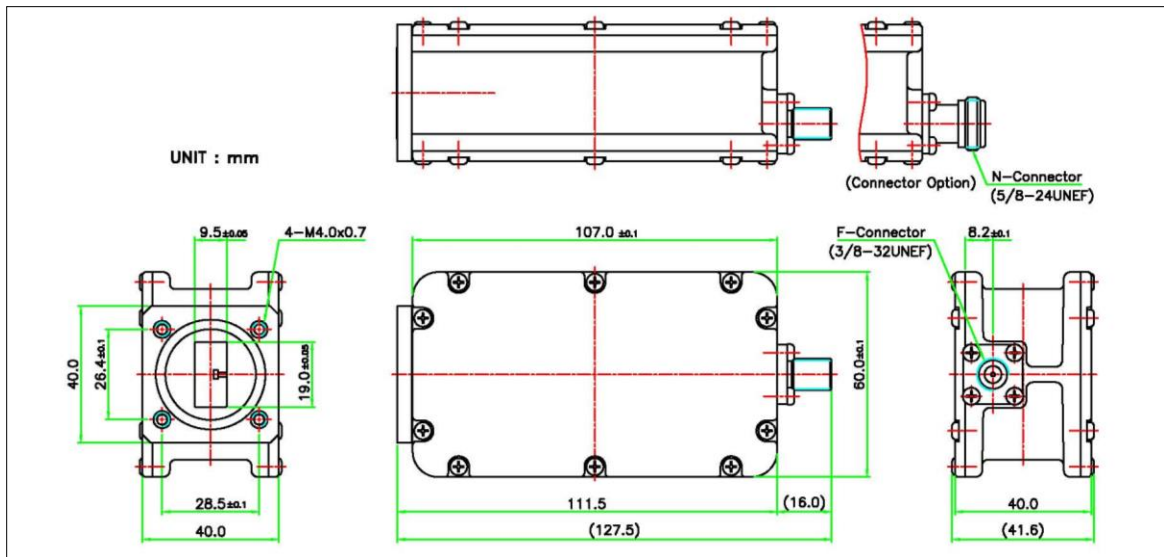
Low Noise Block Ku-Band PLL 1405 (LNB)

Model: GLKU1405

Specifications

Parameter	Specification
Input Freq.	12.2 - 12.7 GHz
Output Freq.	950 – 1450 MHz
L.O Freq.	11.25 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	± 5 KHz max
Image rejection	40 dBc min.
Phase noise	-70 dBc/Hz (@ 1KHz)
	-80 dBc/Hz (@ 10KHz)
	-95 dBc/Hz (@ 100KHz)
Output P1dB	+5 dBm min.
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