



- Frequency Range 20.2 - 21.2 GHz
- L.O stability Depends on ext. ref.
- Power supply +12 to +24V DC



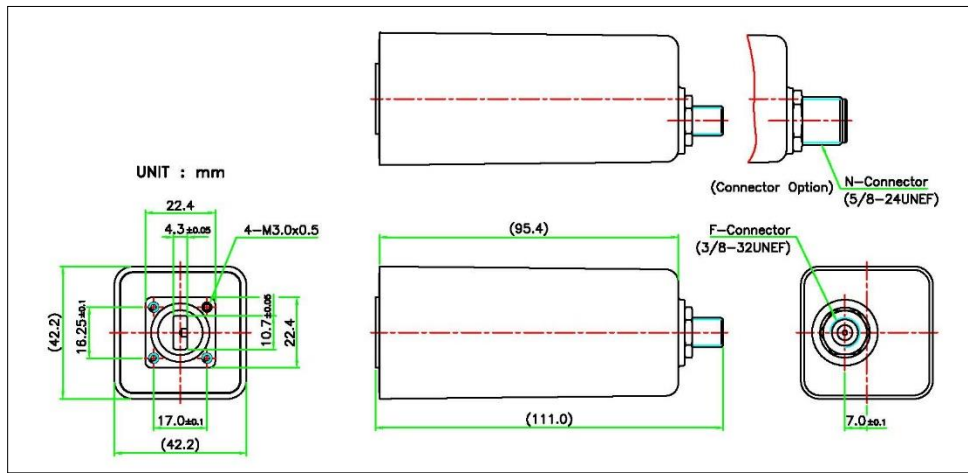
Low Noise Block Ka-Band PLL Ext. Ref. 2021X (LNB)

Model: GLKA2021X

Specifications

Parameter	Specification
Input Freq.	20.2 - 21.2 GHz
Output Freq.	950 – 1950 MHz
L.O Freq.	19.25 GHz
Noise figure	1.6 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-42
Output connector	F, N -type female (option)
Power supply	+12 to +24V DC
Required current	450 mA max.
Operating temperature	-40 to +60°C
Waterproof	IP 67
Dimension (exclude connector)	42.2 x 42.2 x 98.7 mm
Weight	270 g

Mechanical Diagram (Unit: inch (mm))



www.geosatmicrowave.com

sales@geosatmicrowave.com