



- Frequency Range 18.2 - 19.2 GHz
- L.O stability  $\pm 10$ , 25 KHz max
- Power supply +12 to +24V DC



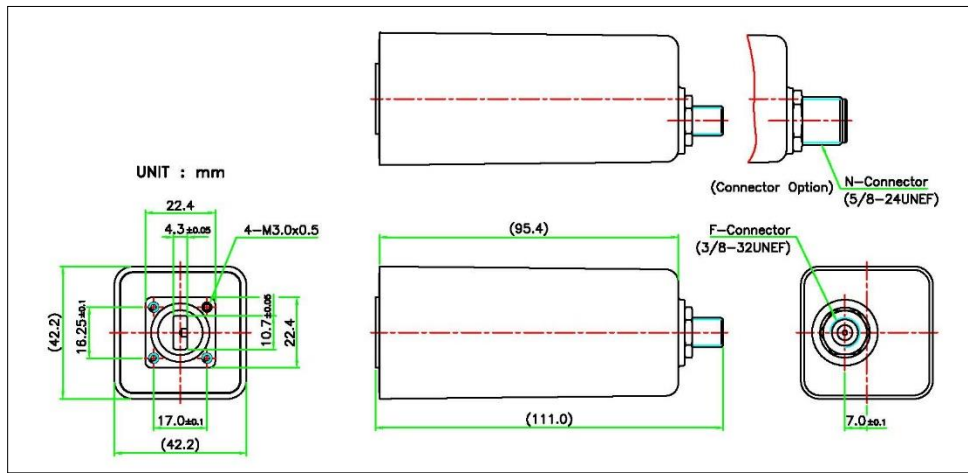
## Low Noise Block Ka-Band PLL 1819 (LNB)

Model: GLKA181910, GLKA181925

### Specifications

Parameter	Specification
Input Freq.	18.2 - 19.2 GHz
Output Freq.	950 – 1950 MHz
L.O Freq.	17.25 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	$\pm 10$ , 25 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-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))



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