



- Triple bands are switchable
- Frequency Range 18.2 - 21.2 GHz
- L.O stability ± 10 , 25 KHz max
- Power supply +12 to +24V DC

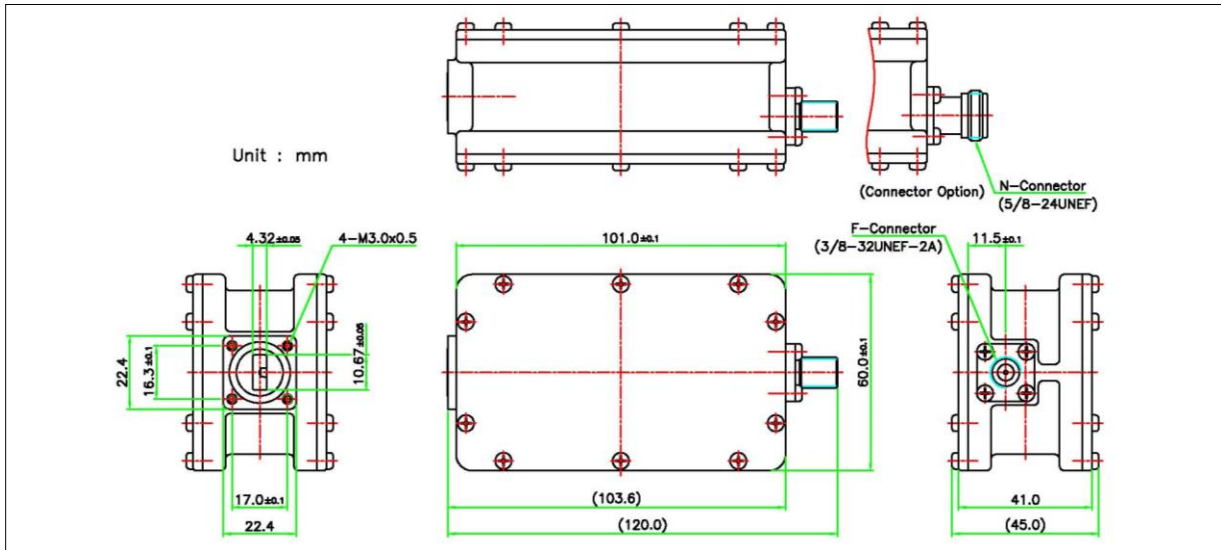


Low Noise Block Ka-Band Triple LO PLL (LNB)

Model: GLKA3LO10, GLKA3LO25

Section	Item	Specification
Band 1	Input (GHz)	18.20 - 19.20
	Output (MHz)	950 - 1950
	L.O (GHz), Switching	17.25 @13 VDC
Band 2	Input (GHz)	19.20 - 20.20
	Output (MHz)	950 - 1950
	L.O (GHz), Switching	18.25 @18 VDC
Band 3	Input (GHz)	20.20 - 21.20
	Output (MHz)	950 - 1950
	L.O (GHz), Switching	19.25 @13 VDC & 22KHz
Specifications	(Temperature condition for the parameters not specified is at 23 \pm 3 $^{\circ}$ C)	
	Noise figure	1.6 dB max.
	Conversion gain at -40 to +60 $^{\circ}$ C	60 dB typ. (55dB min. 65dB max.)
	Gain flatness	5 dBp-p max.
	Gain flatness at -40 to +60 $^{\circ}$ C	6 dBp-p max.
	Gain ripple at per 27MHz, -40 to +60 $^{\circ}$ C	1 dBp-p max.
	L.O stability at -40 to +60 $^{\circ}$ C	± 10 , 25 KHz max
	Image rejection	40 dBc min. @ Band 1
		30 dBc min. @ Band 2
		0 dBc min. @ Band 3.
	Phase noise	-70 dBc/Hz at 1KHz
		-78 dBc/Hz at 10KHz
		-95 dBc/Hz at 100KHz
	Output P1dB	+3 dBm min
	Input VSWR	3.5 : 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 $^{\circ}$ C
	Waterproof	IP 67
	Dimension (exclude connector)	60.0 x 45.0 x 103.6 mm
	Weight	420 g

Mechanical Diagram (Unit: inch (mm))



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