



- Dual bands are switchable
- Low power consumption
- Higher reliability from integrated design principle
- Compact size and light weight
- Meet ETSI, FCC standards



Low Noise Block Ka-Band Triple LO PLL AT920 (LNB)

Model: GLKAAT92010, GLKAAT92025

Section	Item	Specification	
Band 1	Input (GHz)	19.20 - 20.20	
	Output (MHz)	950 - 1950	
	L.O (GHz), Switching	17.25 @13 VDC	
Band 2	Input (GHz)	20.20 - 21.20	
	Output (MHz)	950 - 1950	
	L.O (GHz), Switching	18.25 @18 VDC	
Band 3	Input (GHz)	21.20 - 22.20	
	Output (MHz)	950 - 1950	
	L.O (GHz), Switching	19.25 @13 VDC & 22KHz	
Specifications	(Temperature condition for the parameters not specified is at 23±3°C)		
	Noise figure	1.8 dB max.	
	Conversion gain at -40 to +60°C	60 dB typ. (55dB min. 65dB max.)	
	Gain flatness	5 dBp-p max.	
	Gain flatness at -40 to +60°C	6 dBp-p max.	
	Gain ripple at per 27MHz, -40 to +60°C	1 dBp-p max.	
	L.O stability at -40 to +60°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°C	
Waterproof		IP 67	
Dimension (exclude connector)		60.0 x 45.0 x 103.6 mm	
Weight		420 g	

Mechanical Diagram (Unit: inch (mm))

