



- *Low Current Consumption.*
- *Low Noise Specification*
- *Designed for Fixed or Mobile Applications*
- *Broad Gain Control Range*
- *3 Year GeoSat Product Warranty*

Ka-Band PLL Low Noise Block Ext. Reference (LNB)

Model: GLKAXBN



Section	Item	Specification
Power Requirement	Voltage	+12 ~ +24V DC
	Required Current	300MA max
Input Characteristics	Frequency Range	19.2 ~ 20.2GHz
	Input VSWR	2.2 : 1 max.
	Noise Figure @ +25C	1.5 db max.
	Leakage @ Input Port	-45 dBm max.
	Input Waveguide Flange	WR-42
Output Characteristics	Frequency Range	950 ~ 1950MHz
	Output VSWR	2.2 : 1 max.
	Gain Flatness	5 dBp-p max.
	Conversion Gain	55 dB typ. (50dB min. 62dB max.)
	Gain Stability (@ per 27MHz)	1 dBp-p max.
	Image Rejection	45 dBc min.
	1dB Gain Compression Point	+7 dBm min.
IF Output Connector	F-Type female, N-type female	
Local Oscillator	Local Frequency	18.25GHz
	L.O. Stability Over Temp	External reference dependant
	Phase Noise ▼	External reference dependant
Mechanical	Dimension (mm)	101 x 60 x 45mm (w/o connector)
	Weight	350g
	Painting	White Color
Operating Temperature / Storage Temperature		- 40°C ~ + 60°C / - 40°C ~ + 80°C
Relative Humidity		0% ~ 90% RH

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