



GeoSat
Microwave

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



10KHz Ku-Band PLL Low Noise Block (LNB)

Model: GLBPLF110



Section	Item	Specification
Power Requirement	Voltage	+12 ~ +24V DC
	Required Current	300MA max
Input Characteristics	Frequency Range	10.95 ~ 11.7GHz
	Input VSWR	2.5 : 1 max.
	Noise Figure @ +25C	1.0 db max.
	Leakage @ Input Port	-45 dBm max.
	Input Waveguide Flange	WR-75
Output Characteristics	Frequency Range	950 ~ 1700MHz
	Output VSWR	2.5 : 1 max.
	Gain Flatness	4dB p-p max.
	Conversion Gain	60 dB typ.
	Gain Stability (@ per channel)	+/- 0.75dB max.
	Image Rejection	45 dBc min.
	1dB Gain Compression Point	+3 dBm min.
	IF Output Connector	F-Type Female
Local Oscillator	Output Impedence	75 Ohms
	Local Frequency	10.00GHz
	L.O. Stability Over Temp	+/- 10 KHz max.
	Phase Noise ▼	
	1kHz	< -65dBc / Hz
	10kHz	< -80dBc / Hz
	100kHz	< -95dBc / Hz
Mechanical	Dimension (mm)	127 x 60 x 40mm
	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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