



**GeoSat**  
**Microwave**

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



## 25KHz Ku-Band PLL Low Noise Block (LNB)

Model: GLBPLF425



Section	Item	Specification	
Power Requirement	Voltage	+12 ~ +24V DC	
	Required Current	300MA max	
Input Characteristics	Frequency Range	12.25 ~ 12.75GHz	
	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 ~ 1450MHz	
	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	11.30GHz	
	L.O. Stability Over Temp	+/- 25 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	