



**Geosat
Microwave**

- 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 X-Band Ext. Ref. B100 series (LNB)

Model: GLXB100X

Specifications

Parameter	Specification
Input (GHz)	7.25 – 7.75
Output (MHZ)	950 – 1450
LO (GHz)	5.15
LO Stability	Ext. Reference
Gain (dB)	55-65
N/F (dB)	0.7
Noise figure	0.7 dB max.
Conversion gain at -40 to +60°C	60dB typ. (55dB min. 70dB max.)
Gain flatness	4 dBp-p max
Gain flatness at -40 to +60°C	5 dBp-p max
Gain ripple at per 27MHz, -40 to +60°C	1 dBp-p max
L.O stability at -40 to +60°C	depends on ext. ref.
Image rejection	40 dBc min -75 dBc/Hz @ 1KHz
Phase noise	-85 dBc/Hz @ 10KHz -95 dBc/Hz @ 100KHz
Output P1dB	+5 dBm min.
Ext. ref. input freq. & power	10 MHz, -5 to +5 dBm
Ext. ref. input port	IF output connector
Input VSWR	2.5 : 1 max.
Output VSWR	2.5 : 1 max.
Input waveguide flange	WR-112
Output connector	F, N-Type female (option)
Power supply	+12 to +24V DC
Required current	300 mA max
Operating temperature	-40 to +60°C
Waterproof	IP 67
Dimension (exclude connector)	70.0 x 59.0 x 118.0 mm
Weight	620 g

Mechanical Diagram (Unit: inch (mm))

