



GeosSat
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 Amplifiers X-Band 100 (LNA)

Model: GLAX100

Specifications

Parameter	Specification
Frequency range	7.25 – 7.75 GHz
Noise figure	0.8 dB max
Conversion gain at -40 to +60°C	55 dB typ. (50dB min, 60dB max.).
Gain flatness	4 dBp-p max.
Gain flatness at -40 to +60°C	4 dBp-p max.
Gain ripple at per 36MHz, -30 to +60°C	1 dBp-p max.
Output P1dB	+10 dBm min.
Input VSWR	2.0: 1 max
Output VSWR	2.0: 1 max
Input waveguide flange	WR-112
Input connector	N, SMA type female (option)
Output connector	F, N, SMA-type female (option)
Power connector	MS3112E10-6P (option)
Power supply	+12 to +24V DC
Required current	250 mA max.
Operating temperature	-40 to +60°C
Waterproof	IP 67
Dimension (exclude connector)	100.0 x 45.0 x 22.6 mm
Weight	250 g

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Mechanical Diagram (Unit: inch (mm))

