



**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 Ka-Band 920 series (LNA)

Model: GLAKA920

### Specifications

Parameter	Specification
Frequency range	18.2 – 19.2 GHz
Noise figure	1.5 dB max.
Conversion gain at -40 to +60°C	55dB typ. (50dB min. 60dB 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.
Output P1dB	+5 dBm min.
Input VSWR	2.2 : 1 max
Output VSWR	2.2 : 1 max
Input waveguide flange	WR-42
Output connector	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)	60.0 x 45.0 x 111.5 mm
Weight	450 g

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# Mechanical Diagram (Unit: inch (mm))

