



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

Ka-Band PLL Low Noise Block Ext. Reference (LNB)

Model: GLKAXBN



| Section | Item | Specification |
|---|------------------------------|-----------------------------------|
| Power Requirement | Voltage | +12 ~ +24V DC |
| | Required Current | 300MA max |
| Input Characteristics | Frequency Range | 19.2 ~ 20.2GHz |
| | Input VSWR | 2.2 : 1 max. |
| | Noise Figure @ +25C | 1.5 db max. |
| | Leakage @ Input Port | -45 dBm max. |
| | Input Waveguide Flange | WR-42 |
| Output Characteristics | Frequency Range | 950 ~ 1950MHz |
| | Output VSWR | 2.2 : 1 max. |
| | Gain Flatness | 5 dBp-p max. |
| | Conversion Gain | 55 dB typ. (50dB min. 62dB max.) |
| | Gain Stability (@ per 27MHz) | 1 dBp-p max. |
| | Image Rejection | 45 dBc min. |
| | 1dB Gain Compression Point | +7 dBm min. |
| IF Output Connector | F-Type female, N-type female | |
| Local Oscillator | Local Frequency | 18.25GHz |
| | L.O. Stability Over Temp | External reference dependant |
| | Phase Noise ▼ | External reference dependant |
| Mechanical | Dimension (mm) | 101 x 60 x 45mm (w/o connector) |
| | Weight | 350g |
| | Painting | White Color |
| Operating Temperature / Storage Temperature | | - 40°C ~ + 60°C / - 40°C ~ + 80°C |
| Relative Humidity | | 0% ~ 90% RH |