



G-STAR COMMUNICATIONS LTD.

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GU-412-80

Universal Twin Flanged LNB

| | Low Band | High Band |
|--|---|-------------------|
| Input Frequency Range | 10.70 ~ 11.70 GHz | 11.70 ~ 12.75 GHz |
| Cross Polarization Isolation | 20 dB (Min.) | |
| Noise Figure | 0.7 dB Typical | 0.7 dB Typical |
| Conversion Gain | 50 dB (Min.) / 60 dB (Max.) | |
| Gain Flatness | ±0.5 dB / 27 MHz | |
| Output Frequency Range | 950 ~ 1950 MHz | 1100 ~ 2150 MHz |
| L.O. Frequency | 9.75 GHz | 10.60 GHz |
| In Band Spurious Level | -60 dBm (Max.) | |
| L.O Frequency Stability | 1. ±1 MHz (Room Temperature) 2. ±3 MHz (-40°C to +60°C) | |
| L.O. Phase Noise | -55 dBc / Hz (@ 1 KHz) -80 dBc / Hz (@ 10 KHz) -100 dBc / Hz (@ 100 KHz) | |
| Output Power Level (At 1 dB Gain Compression) | 0 dBm (Min.) | |
| Image Rejection | 45 dB (Min.) | |
| Output VSWR | 2.5 : 1 (Max.) | |
| Output Connector | 75 Ω F Type Female | |
| DC Current Consumption | 280 mA (Max.) | |
| Operating Voltage | (1) 11.5 ~ 14.0 V → Vertical Polarization (2) 16.0 ~ 19.0 V → Horizontal Polarization (3) Continuous 22KHz ± 4KHz → High Band Selection | |
| Operating Temperature | -40°C to +60°C | |