



G-STAR COMMUNICATIONS LTD.

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GU-414-73

UNIVERSAL QUAD LNB

KU Band High Gain Prime Focus LNB

	Low Band	High Band
Input Frequency Range	10.70 ~ 11.70 GHz	11.70 ~ 12.75 GHz
Reflector Type	Prime Focus	
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	