



G-STAR COMMUNICATIONS LTD.

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GU-404-03

UNIVERSAL QUATTRO LNBF

Good linearity and TP BER
Good impedance matching to 75 OHM
High cross polarization isolation
Low phase noise

	Low Band	High Band
Input Frequency Range	10.70 ~ 11.70 GHz	11.70 ~ 12.75 GHz
Reflector Type	Offset	
F/D Ratio	0.5 ~ 0.7	
Cross Polarization Isolation	25 dB (Typ.) / 20 dB (Min.)	
Noise Figure	0.6 dB Typical	0.6 dB Typical
Conversion Gain	50 dB (Min.) / 55 dB (Max.)	
Gain Flatness	±0.5 dB / 27 MHz	
Output Frequency Range	Port 1: 950 ~ 1950 MHz Horizontal Port 2: 1100 ~ 2150 MHz Horizontal Port 3: 950 ~ 1950 MHz Vertical Port 4: 1100 ~ 2150 MHz Vertical	
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 Return Loss	-10 ~ -15dB	
Output Connector	75 Ω F Type Female	
DC Current Consumption	210 mA Typical	
Operating Voltage	11.5 ~ 14.0 V → Vertical Polarization 16.0 ~ 19.0 V → Horizontal Polarization	
Operating Temperature	-40°C to +60°C	