



**G-STAR COMMUNICATIONS LTD.**

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**GU-414-03**

**UNIVERSAL QUAD LNB F**

**4 Fully Switched Outputs Universal LNB F**

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