



# G-STAR COMMUNICATIONS LTD.

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## GU-411-LSDP

### UNIVERSAL SINGLE LNBF

#### KU Band High Gain Prime Focus LNBF

	Low Band	High Band
<b>Input Frequency Range</b>	10.70 ~ 11.70 GHz	11.70 ~ 12.75 GHz
<b>Reflector Type</b>	Prime Focus	
<b>F/D Ratio</b>	0.5 ~ 0.7	
<b>Cross Polarization Isolation</b>	20 dB (Min.)	
<b>Noise Figure</b>	0.6 dB (Typical)	0.6 dB (Typical)
<b>Conversion Gain</b>	65 dB (Typical)	
<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>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>	130 mA Typical	
<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	