

G1 Universal LNB Series



Features:

- Input Frequency: 10.7~12.75GHz
- LO Frequency: 9.75GHz & 10.6GHz
- Feed Design for 0.6 F/D ratio dishes
- Stable LO performance
- DRO or PLL solution optional

Specifications:

Item	Parameters		
Input Frequency Range	10.7~11.7 GHz; 11.7~12.75 GHz		
Output Frequency	950~1950 MHz; 1100~2150 MHz		
LO Frequency	9.75 GHz/10.6 GHz		
LO Initial Accuracy(@25°C)	±1MHz		
LO Temperature Drift(@-30~60°C)	±1.5MHz		
LO Phase Noise	(@ 1KHz offset)-75 dBc/Hz		
	(@ 10 KHz offset)-80 dBc/Hz		
	(@ 100 KHz offset)-85 dBc/Hz		
Noise Figure	0.7dB(Max.)		
Conversion Gain	60 dB(Typ.)		
Gain Variation(over operating band)	8dB p-p(Typ.)		
Gain Flatness(any 27 MHz)	±0.5 dB		
Cross Pole Isolation	20 dB(Min.)		
Image Rejection	40 dB(Min.)		
P 1dB	-3 dBm(Min.)		
Output VSWR	2.5:1(Max.)		
Polarization Switching Voltage	Vertical:10.5~14V Horizontal:16~21V		
Operation Temperature	-30°C ~+60°C		
Waterproof	+60°C Water for 1 minute		
Output Connector	75Ω F type		
LNB Type	G1S Single LNB	G1T Twin LNB	G1R Quad LNB
Supurious Response(@1700MHz)	Null	-55 dBm(Max.)	-55 dBm(Max.)
DC Current Consumption	100mA(Max.)	160mA(Max.)	250mA(Max.)