



**10700 Prime Focus LNBF #3002**

**Dual Pol/Single Output**

No.	ITEM	SPECIFICATION	UNIT
1	I/P Frequency Range	11.7 ~ 12.75	GHz
2	O/P Frequency Range	1000 ~ 2050	MHz
3	LO Frequency	10.7	GHz
4	Noise Figure	0.6(typical )	dB
5	LO Initial Accuracy	± 1.0	MHz
6	LO Temperature Drift	± 3.0	MHz
7	LO Phase Noise @ 1K Hz	-50	dBc / Hz
8	LO Phase Noise @ 10K Hz	-80	dBc / Hz
9	LO Phase Noise @ 100K Hz	-95	dBc / Hz
10	Conversion Gain	60[min.]	dB
11	Gain Variation	7	dB
12	O/P 1 dB Compression Point	0.0 [min.]	dBm
13	Crosstalk Isolation	20	dB
14	Polarization Selection (R/Hand)	11.0 ~ 14.0	V
15	Polarization Selection (L/Hand)	16.0 ~ 20.0	V
16	O/P Spurious	- 40 [max.]	dBc
17	O/P VSWR	2.5 : 1	~
18	DC Power	11 ~ 20 / 110	V/mA
19	Working Temperature	- 30 ~ + 60	°C
20	Output Impedance	75	Ω
20	Weight	TBA	g

