

20M-3GHz, Gain:38dB, P1dB:28dBm

Feature:

- Ultra Wide Band: 0.02G-3GHz
- Gain: 35dB Min
- Psat Output Power: 28 dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

电气特性 Electrical Specifications:

参数Parameter	Min	Typ	Max	单位Units
频率范围 Frequency range	0.02-3			GHz
增益 Gain	35	38		dB
增益平坦度 Gain Flatness			±3	dB
线性输出功率 Output P1dB	28			dBm
饱和输出功率 Output Psat	29			dBm
输入驻波 Input VSWR		1.5	2	:1
直流电压 DC Voltage		+12		V DC
直流电流 DC Supply Current		1000		mA
阻抗 Impedance		50		Ohms

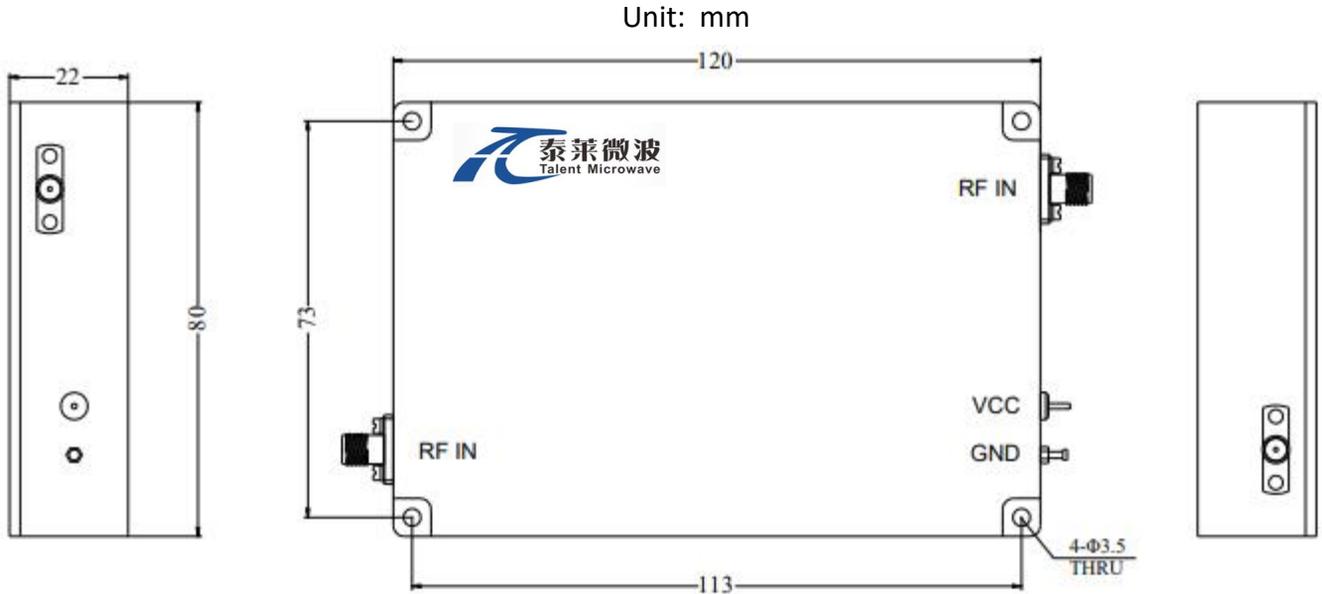
机械特性 Mechanical Specifications:

参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	120*80*22	mm
重量 Weight	200	g

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+15V
输入功率RF Input Power	0dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V





*****Heat Sink Required During Operation**



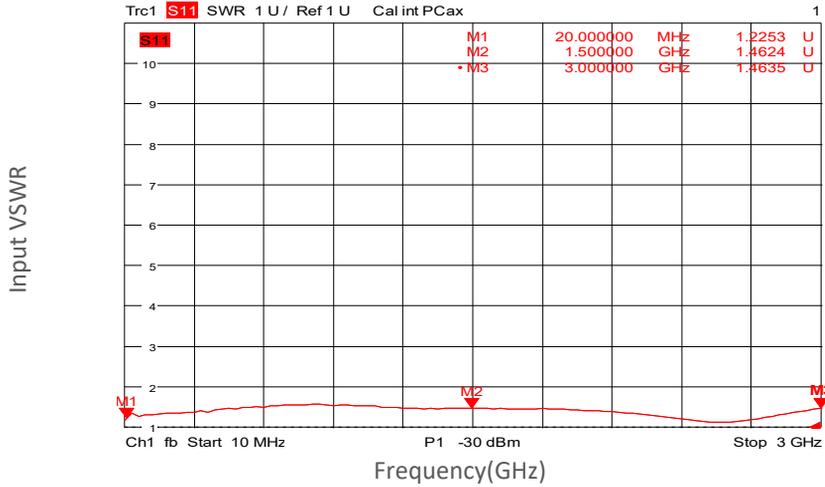
温度环境 Environmental Conditions:

参数Parameter	Min	Typ	Max	单位Units
操作温度 Operating Temperature	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	30,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

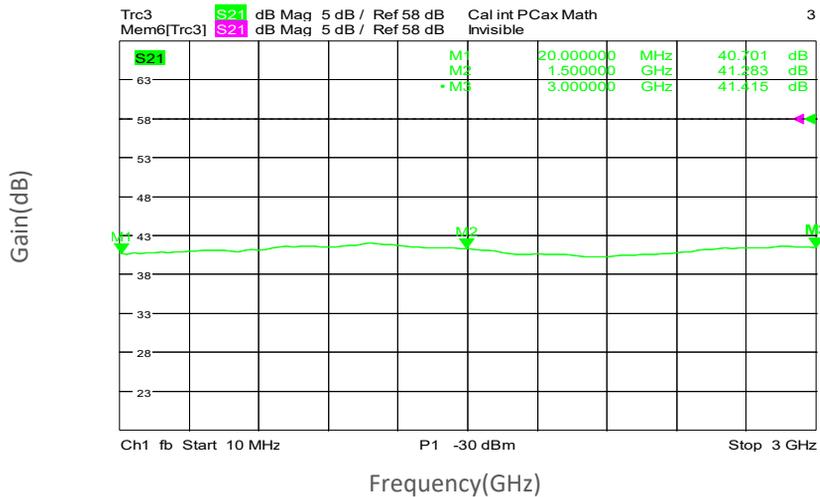
订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
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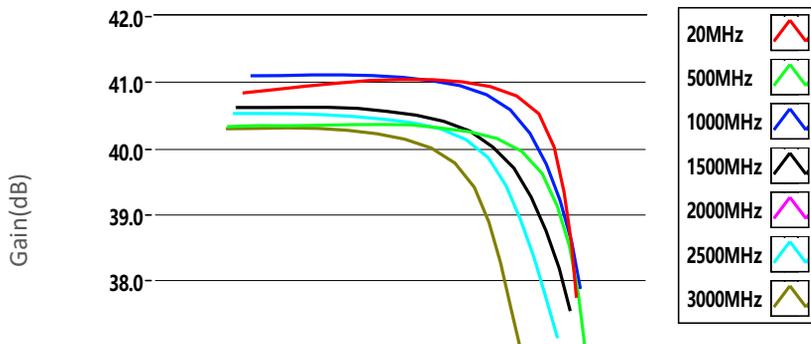
Input VSWR vs Frequency



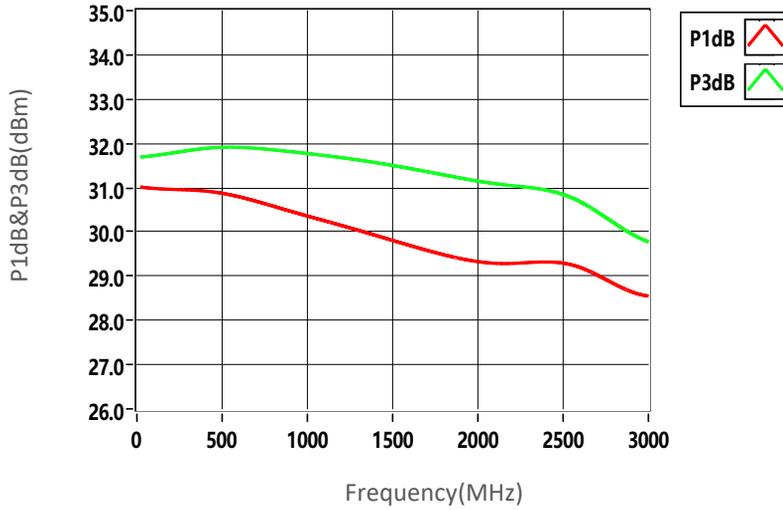
Gain vs Frequency



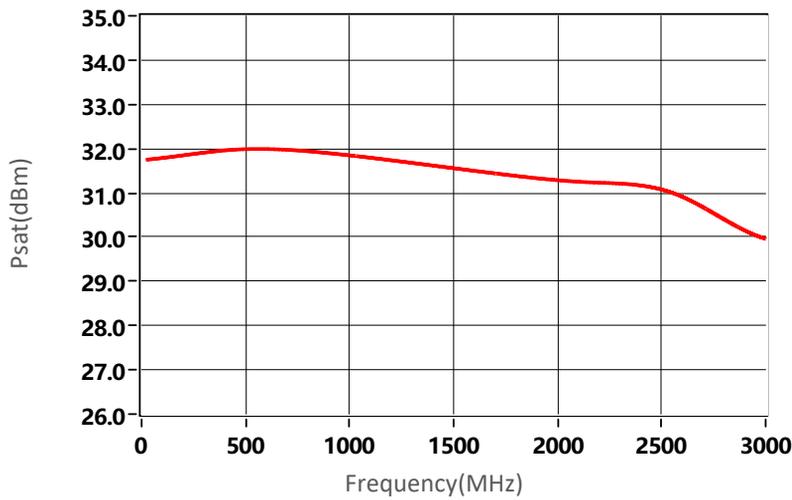
Gain vs Output Power



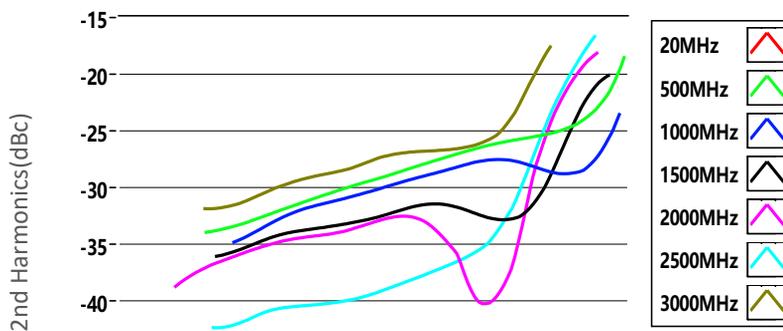
P1dB&P3dB vs Frequency



Psat vs Frequency



2nd Harmonics vs Output Power



3rd Harmonics vs Output Power

