

0.01-6.5GHz, Gain:30dB, P1dB:30dBm

Feature:

- Ultra Wide Band: 0.1-6.5GHz
- Gain:30dB Min
- P1dB Output Power:30dBm Typ
- 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	0.01-6.5			GHz
增益 Gain	30	35		dB
增益平坦度 Gain Flatness		±3	±4	dB
线性输出功率 Output P1dB	30	32		dBm
饱和输出功率 Output Psat	33	34		dBm
杂散 Spurious@Pout=30dBm			-60	dBc
谐波 Harmonics@Pout=30dBm			-8	dBc
输入驻波 Input VSWR		1.5	2	:1
直流电压 DC Voltage	+10	+12	+13	V DC
直流电流 DC Supply Current		0.5	1.3	A
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

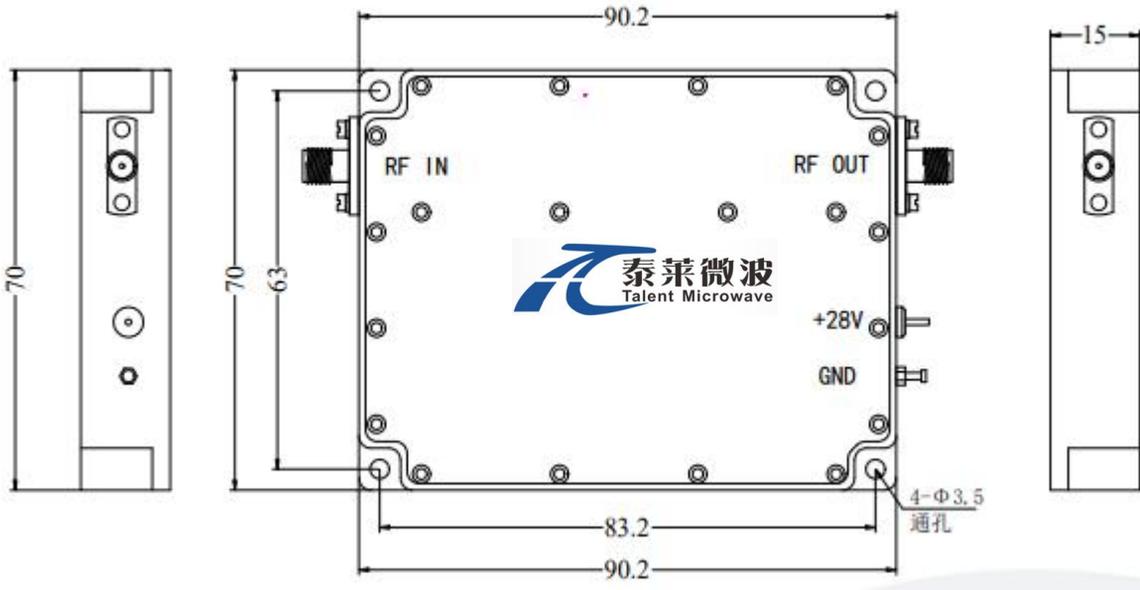
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female/SMA Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	90.2*70*15	mm
重量 Weight	250	g

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
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Unit: mm



***Heat Sink Required During Operation



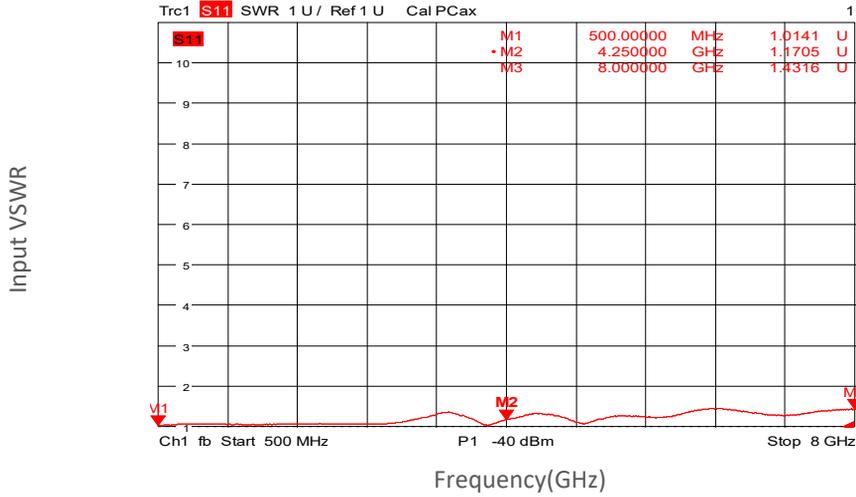
温度环境 Environmental Conditions:

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			

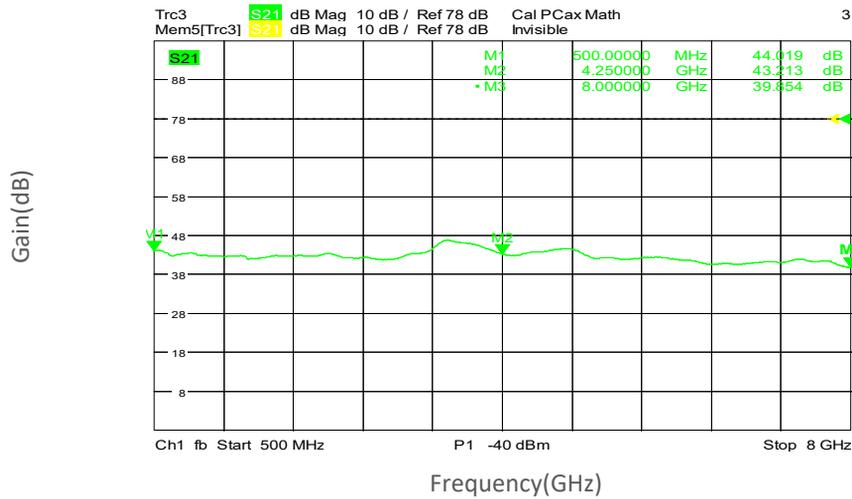
订货信息 Ordering Information:

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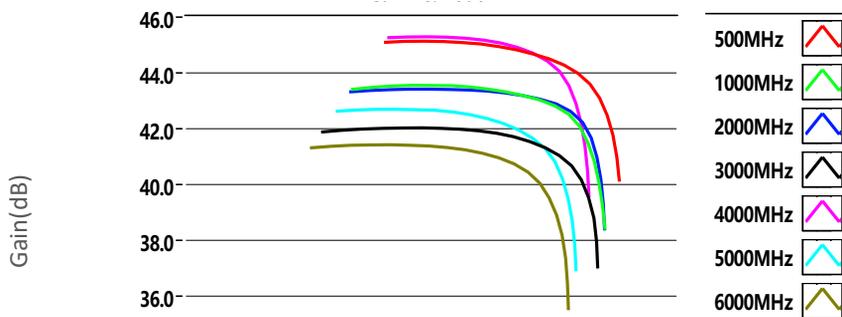
Input VSWR vs Frequency



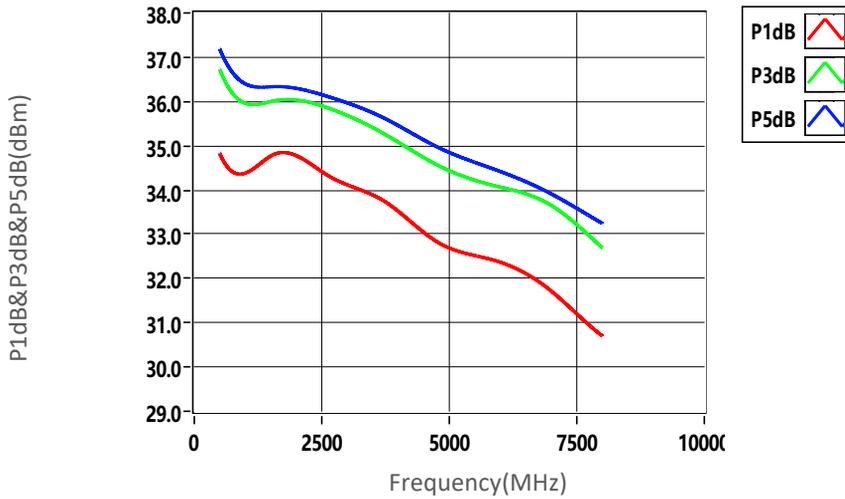
Gain vs Frequency



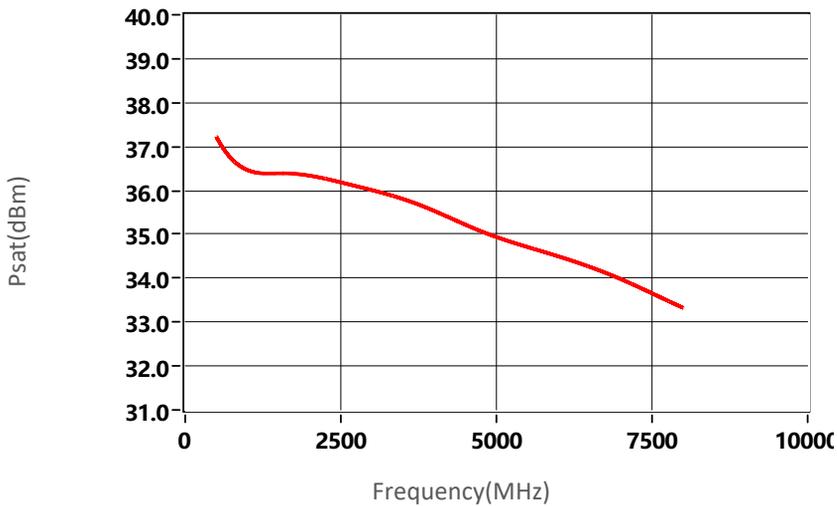
Gain vs Output Power



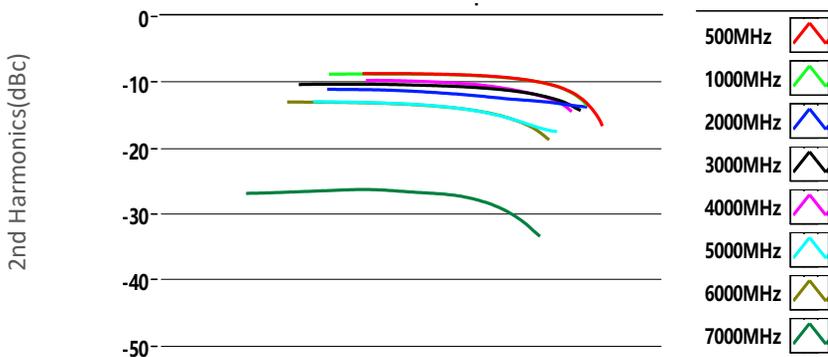
P1dB&P3dB&P5dB vs Frequency



Psat vs Frequency



2nd Harmonics vs Output Power



3rd Harmonics vs Output Power

