

6-40GHz, Gain:28dB, Psat:22dBm

Feature:

- Ultra Wide Band: 6-40GHz
- Gain:26dB Min
- Psat Output Power:22dBm 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	6-40			GHz
增益 Gain	26	28		dB
增益平坦度 Gain Flatness		±2		dB
饱和输出功率 Output Psat		22		dBm
杂散 Spurious		-60		dBc
噪声系数 Noise Figure		6		dB
输入驻波 Input VSWR		1.7	2.3	:1
输出驻波 Output VSWR		1.7	2.3	:1
直流电压 DC Voltage		+12		V DC
直流电流 DC Supply Current	255			mA
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

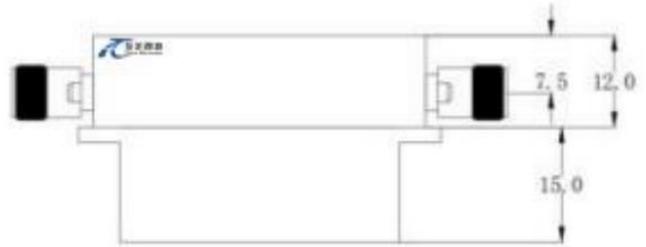
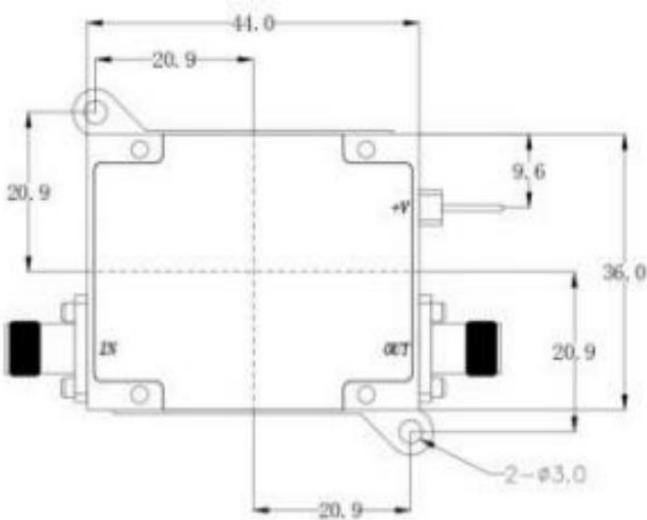
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	2.92 Female/2.92 Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	44*36*12	mm
重量 Weight	/	g

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



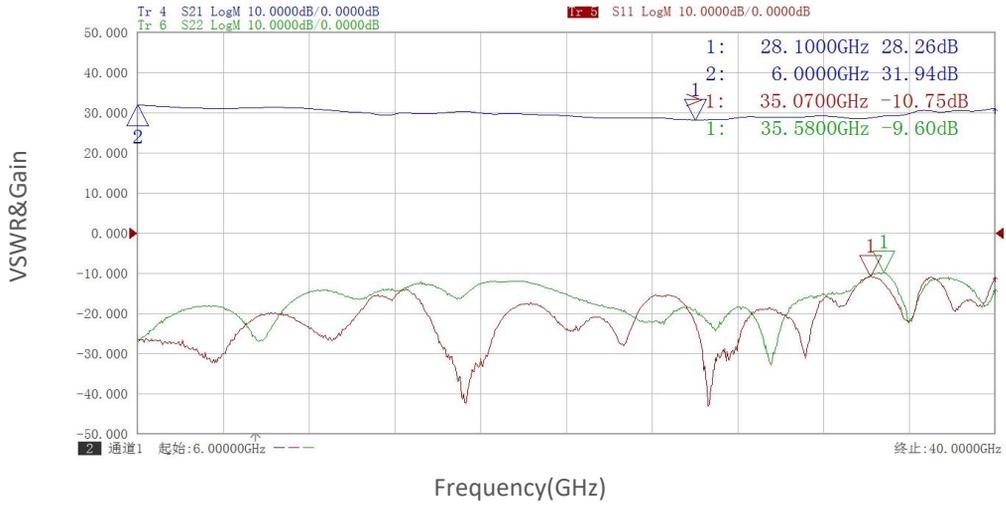
温度环境 Environmental Conditions:

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	50,000			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			

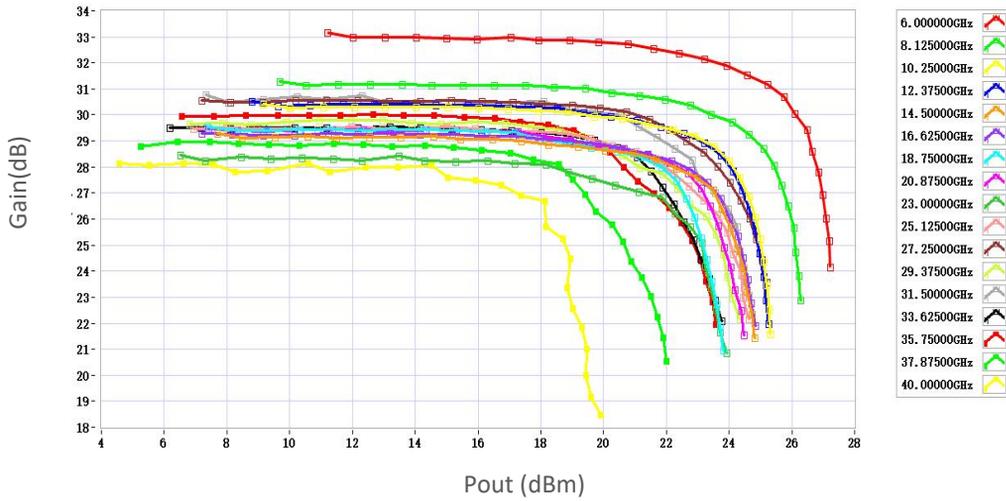
订货信息 Ordering Information:

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



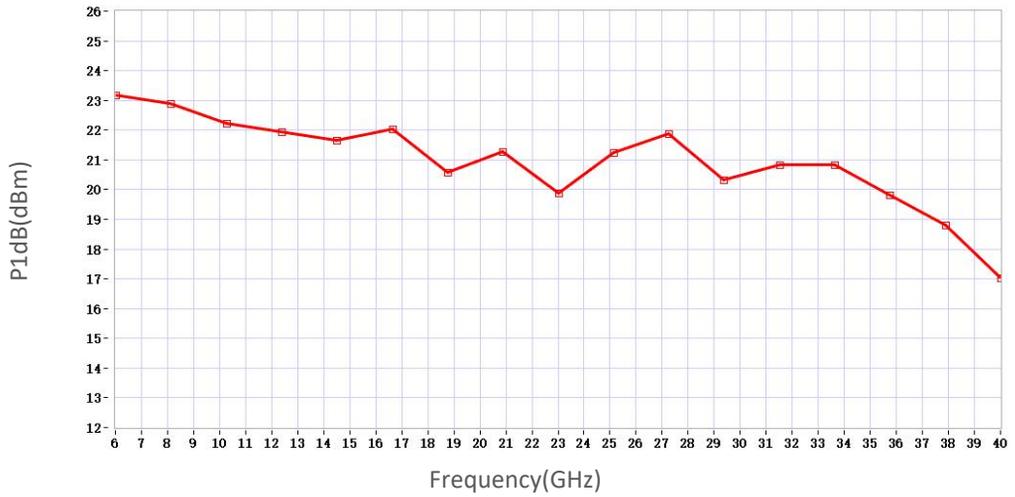
Gain vs Output Power



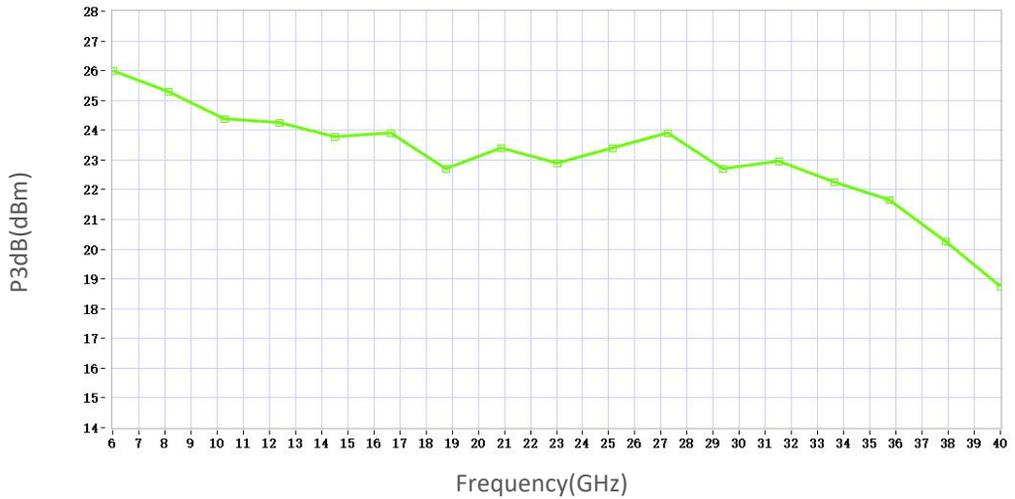
Gain vs Frequency

Gain(dBm)

P1dB vs Frequency



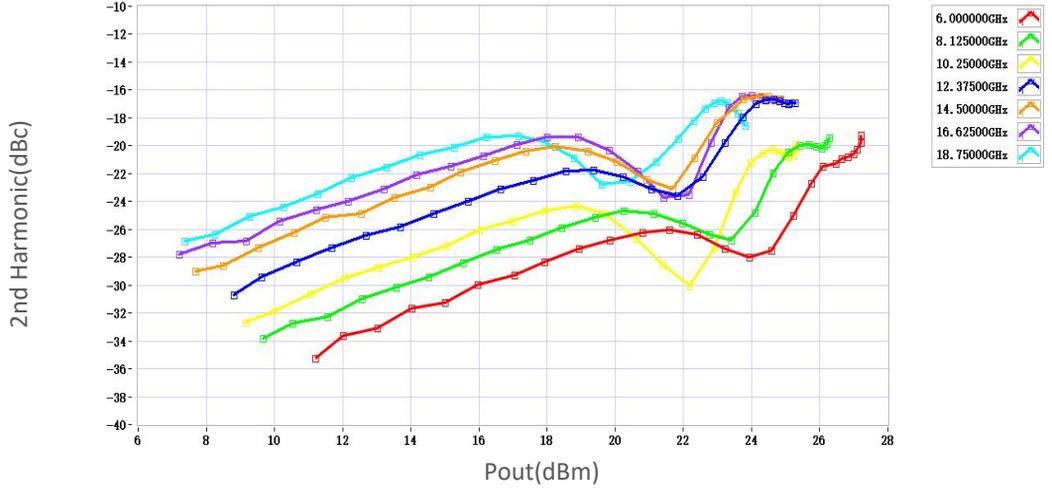
P3dB vs Frequency



Psat vs Frequency

Psat(dBm)

2nd Harmonic vs Output Power



3rd Harmonic vs Output Power

