

TURPA100M2G-3030

0.1-2GHz,Gain:30dB,P1dB:30dBm

Feature:

- Ultra Wide Band: 0.1-2GHz
- Gain:27dB Min
- P1dB Output Power:30dBm 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	0.1-2			GHz
增益 Gain	27	30		dB
增益平坦度 Gain Flatness		±0.5	±0.75	dB
线性输出功率 Output P1dB	30	31		dBm
谐波 Harmonics		-25	-20	dBc
输入驻波 Input VSWR		1.5	2	:1
直流电压 DC Voltage		+15	+16	V DC
直流电流 DC Supply Current		700	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/SMA Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	120*70*15	mm
重量 Weight	200	g

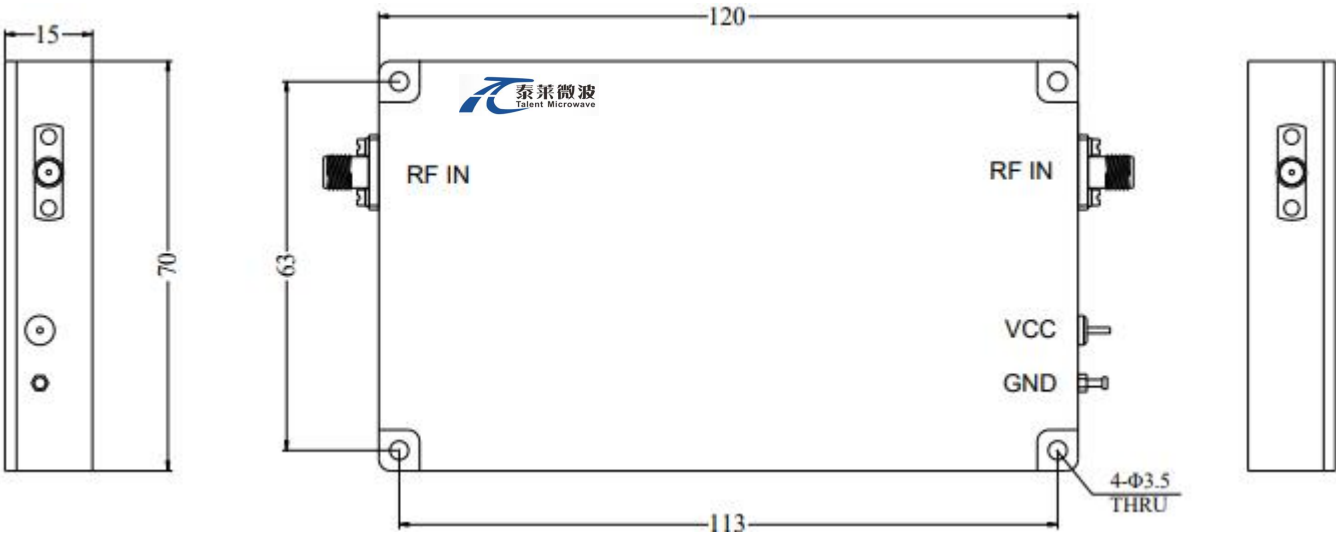
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+16V
输入功率 RF Input Power	5dBm



Available 220V System

Unit: mm



***Heat Sink Required During Operation

温度环境 Environmental Conditions:



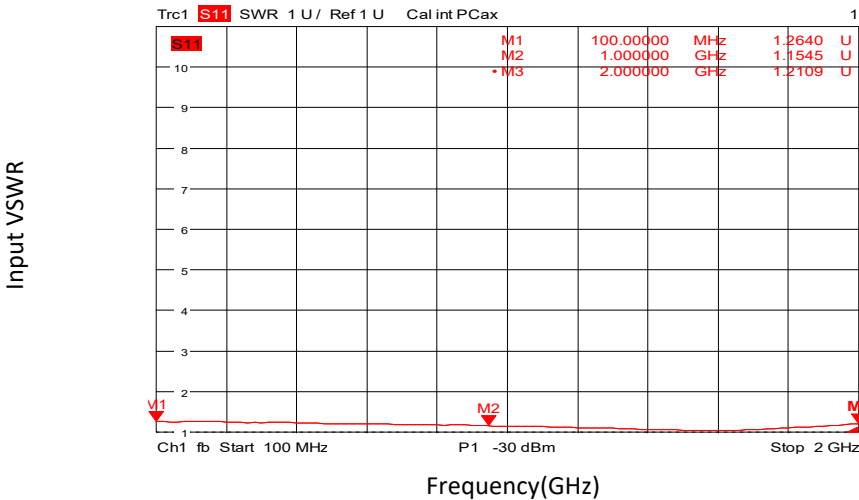
OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

参数Parameter	Min	Typ	Max	单位Units
操作温度 Operating Temperature	-45		+85	℃
存储温度 Non-operating Temperature	-55		+125	℃
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			

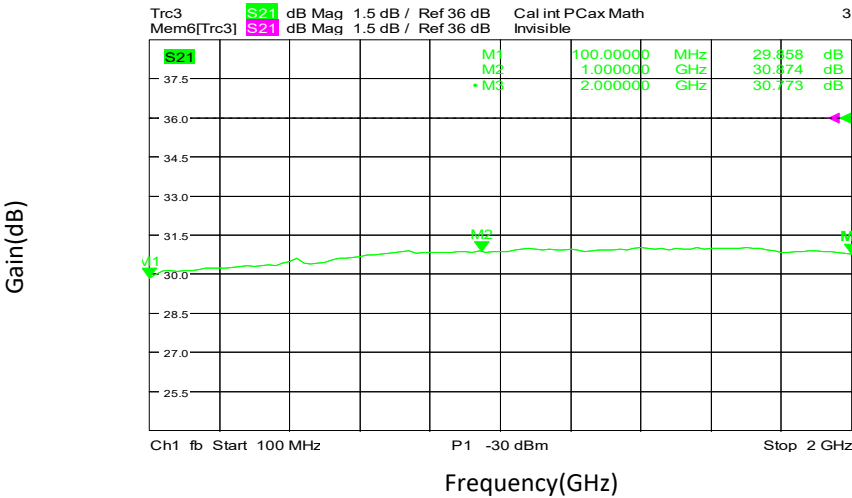
订货信息 Ordering Information:

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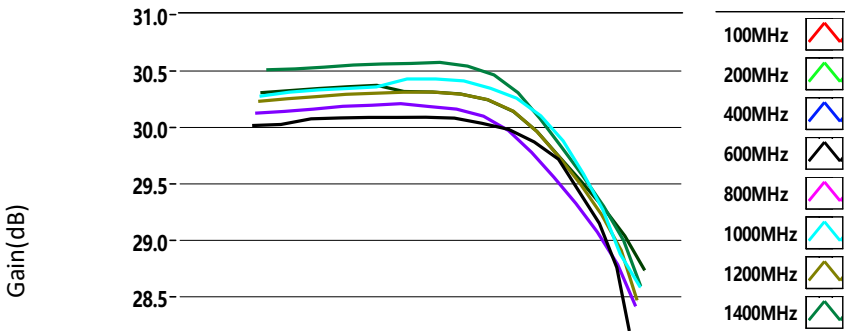
Input VSWR vs Frequency



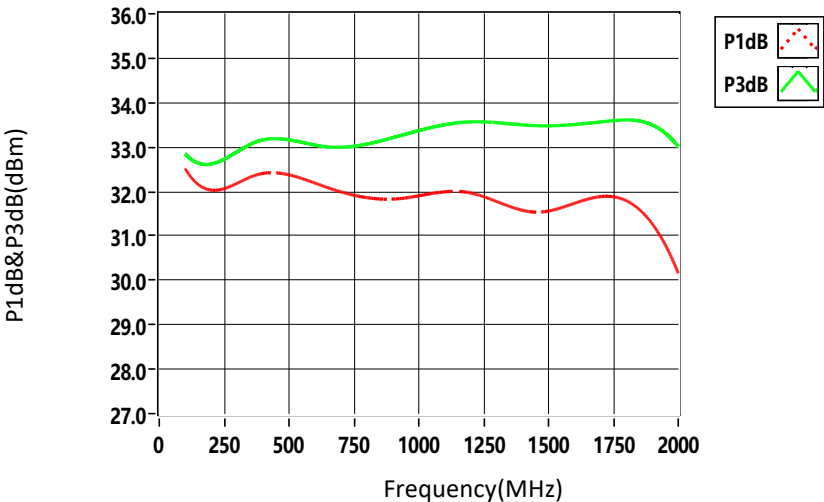
Gain vs Frequency



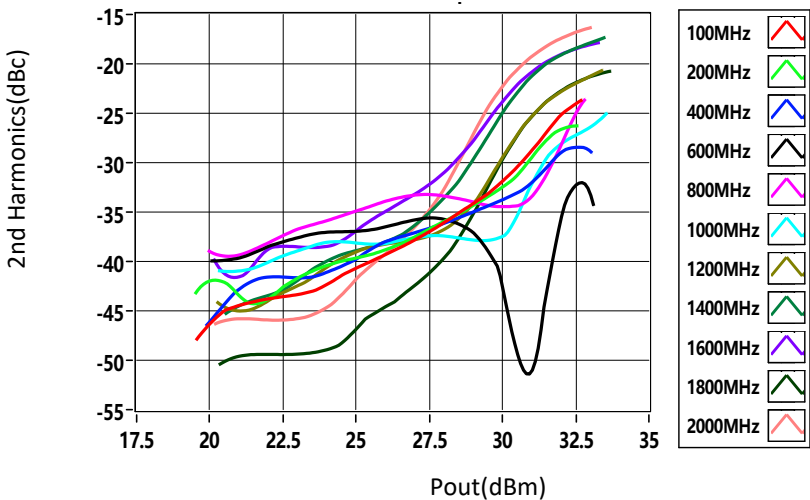
Gain vs Output Power



P1dB&P3dB vs Frequency



2nd Harmonics VS Output Power



3rd Harmonics VS Output Power

