

TURPA0.4M150M-3030HS

0.4-150MHz,Gain:30dB,Psat:30dBm

Feature:

- Ultra Wide Band: 0.4-150MHz
- Gain: 30 dB Typ
- P1dB Output Power: 30 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	0.4-150			MHz
增益 Gain	27	30		dB
增益平坦度 Gain Flatness		±0.5	±1	dB
线性输出功率 Output P1dB	30	31		dBm
三阶互调 Output IP3		38		dBm
输入驻波 Input VSWR			2.0	:1
输出驻波 Output VSWR			2.0	:1
直流电压 DC Voltage		24	28	V DC
直流电流 DC Supply Current		0.5	0.6	A
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

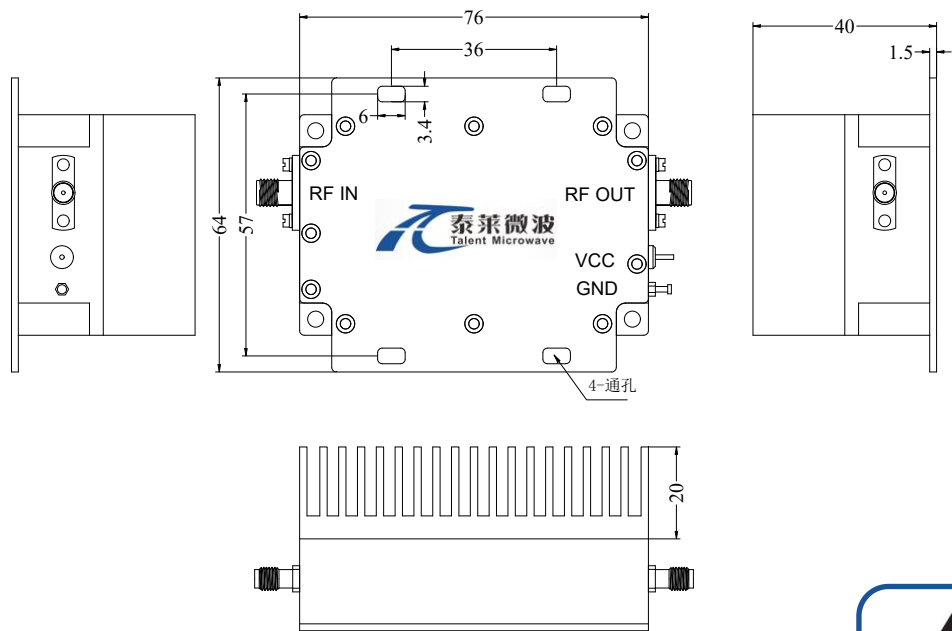
参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input /Output Connector	SMA Female/SMA Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	76*64*40	mm
重量 Weight	200	g

绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+28 V
输入功率 RF Input Power	+10 dBm



Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

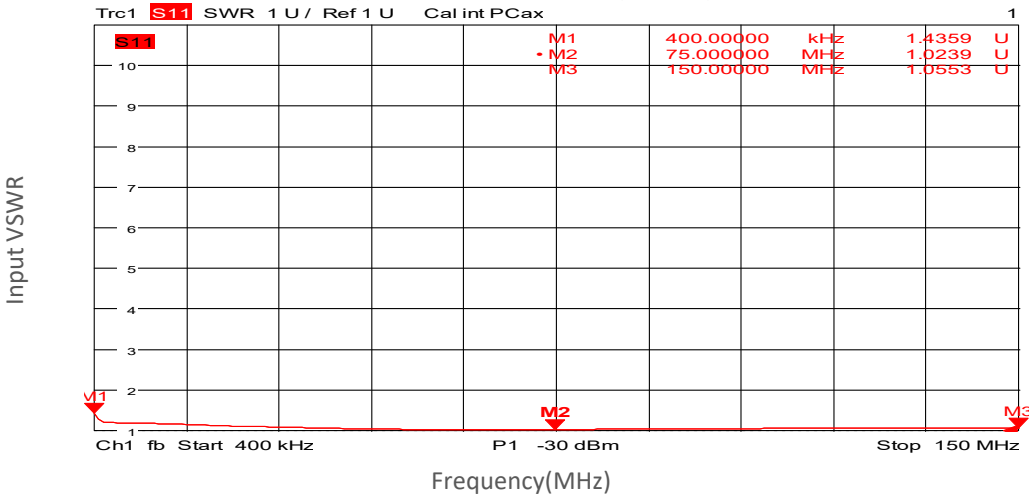
参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature*	-40		+60	℃
存储温度 Non-operating Temperature*	-50		+70	℃
相对湿度 Relative humidity		95		%
海拔 Altitude	10,000			feet
震动 Shock / Vibration(MIL-STD-810F)	20g,11ms,saw-tooth			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

*Note: For a wider temperature range, please consult the manufacturer.

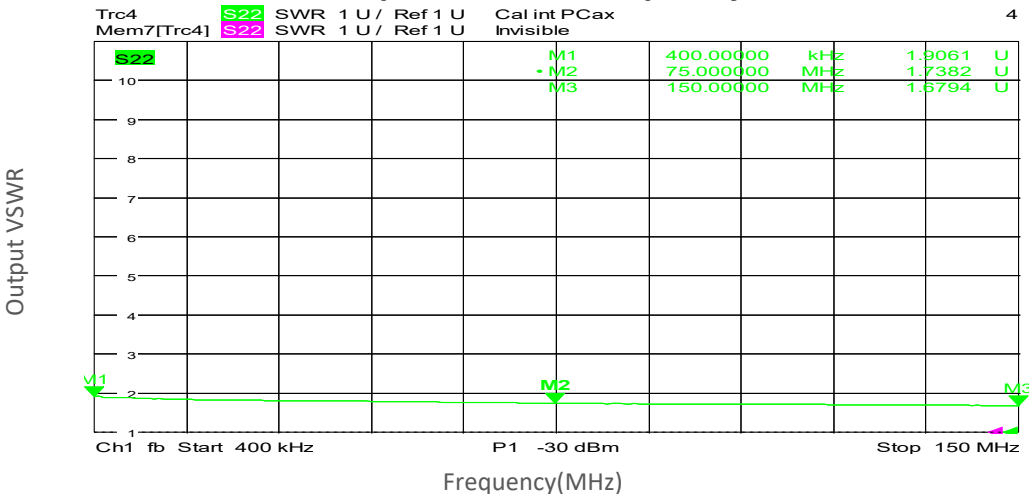
订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TLPA0.4M150M-30-30-HS	Power amplifier 0.4-150MHz,Gain:30dB,P1dB:30dBm, +24V DC,With Heatsink	Rev.1.1

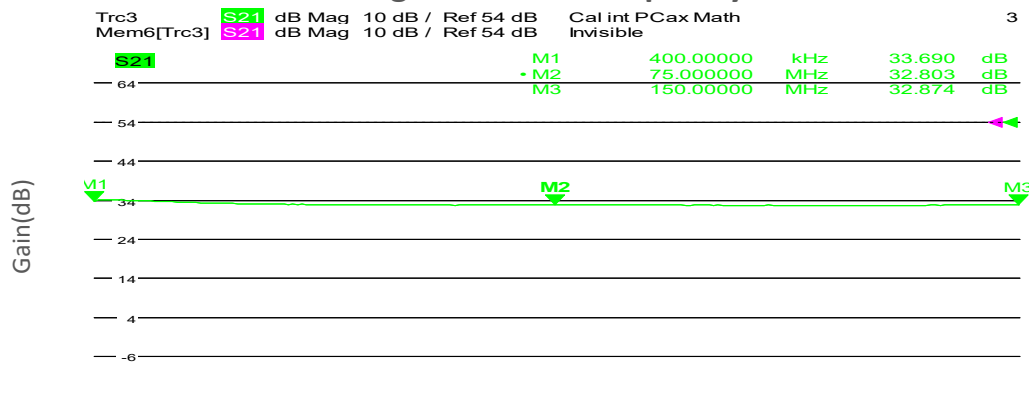
Input VSWR vs Frequency

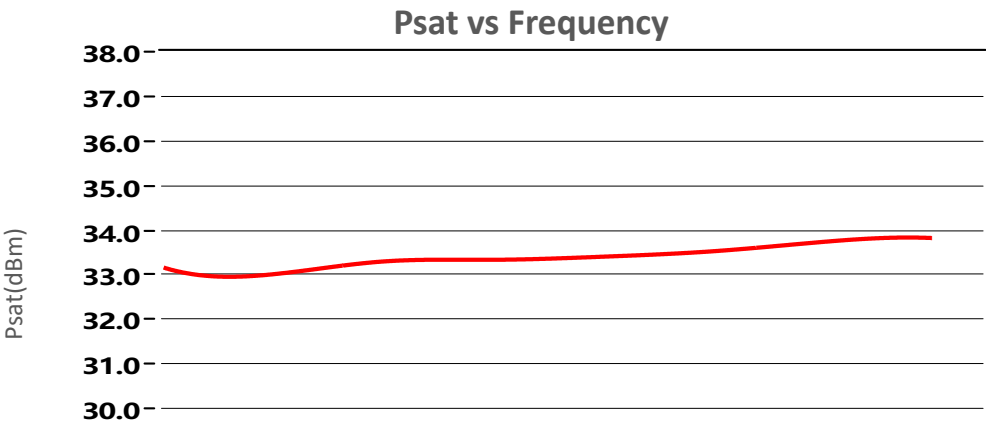
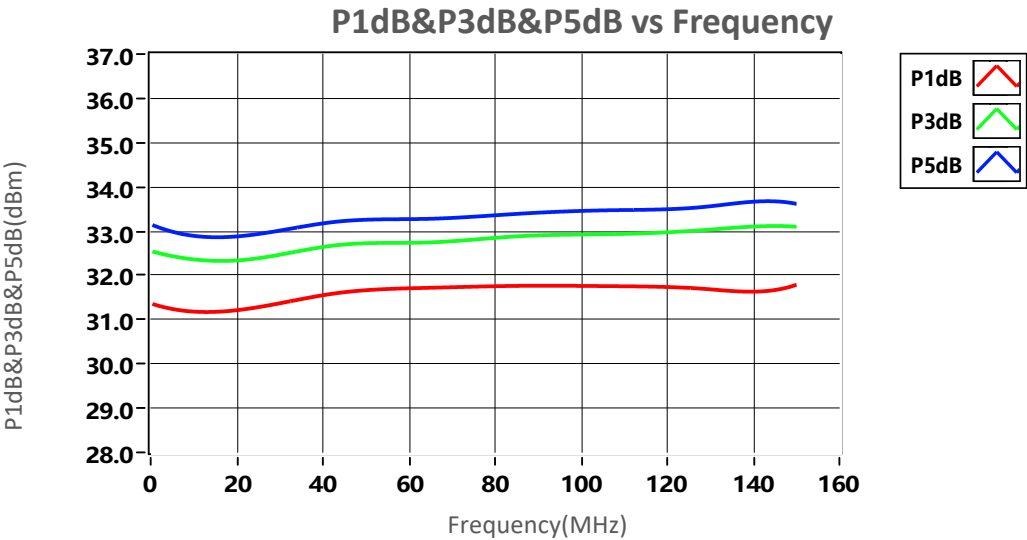
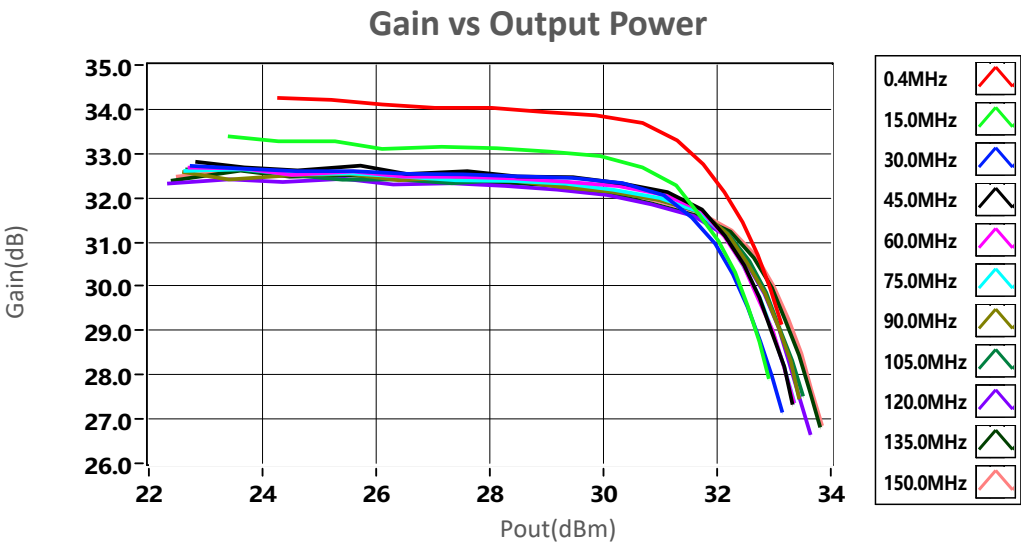


Output VSWR vs Frequency

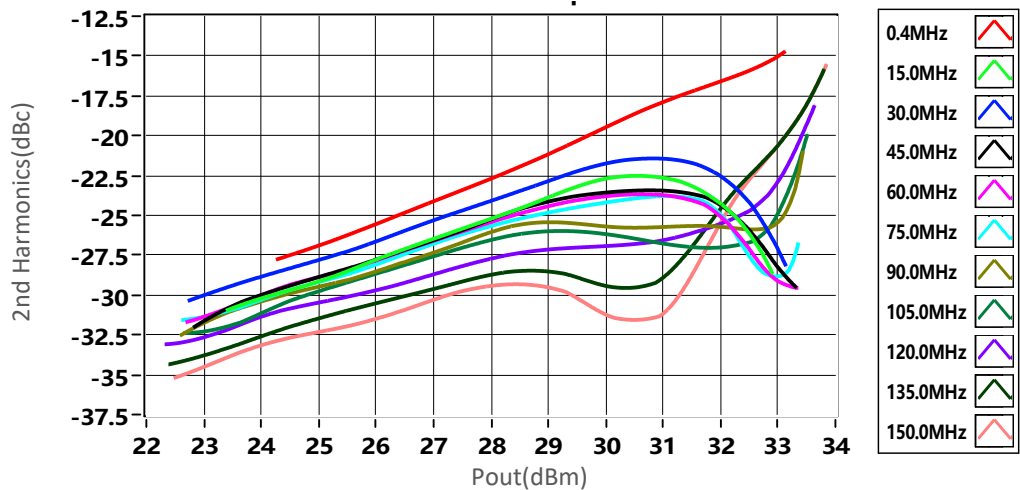


Small Signal Gain vs Frequency

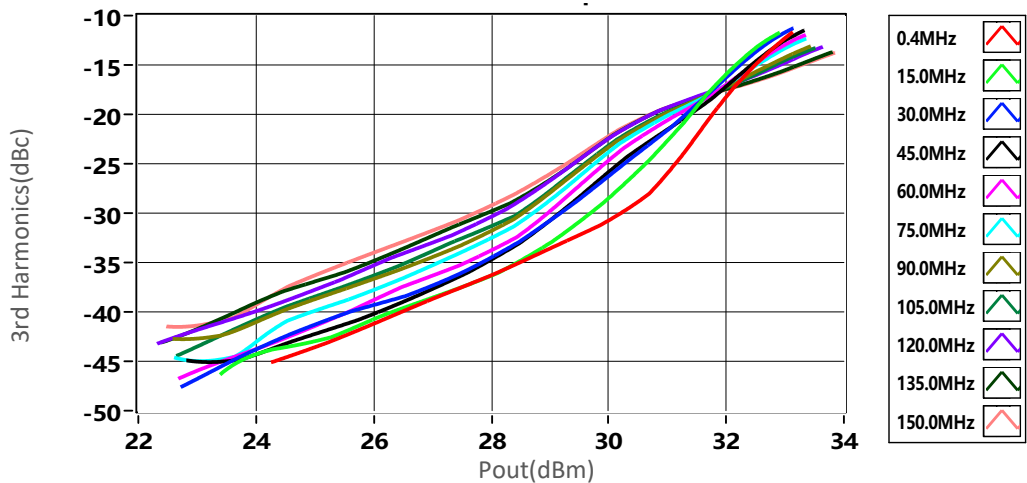




2nd Harmonics vs Output Power



3rd Harmonics vs Output Power



4th Harmonics vs Output Power

