

**Model: TMPA-075110-1315-10-N**

**Power Amplifier**

**75-110 GHz, Psat:15 dBm, Gain:13 dBm**

**Feature:**

- Frequency Range: 75-110 GHz
- Gain:13 dBm Type
- Output Power Psat: 15 dBm Type
- Good Power and Gain Flatness

**电气特性 Electrical:**

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	75-110			GHz
增益 Gain		13		dB
饱和输出功率Psat		15		dBm
输入驻波 Input VSWR		1.4		:1
输出驻波 Output VSWR		1.4		:1
直流电压 DC Voltage		+7		V DC
直流电流 DC Supply Current		140		mA

**机械特性 Mechanical :**

参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	WR-10/ UG-387/U	
直流偏置 Bias	Solder Pin	
尺寸 Size	/	mm
重量 Weight	/	g

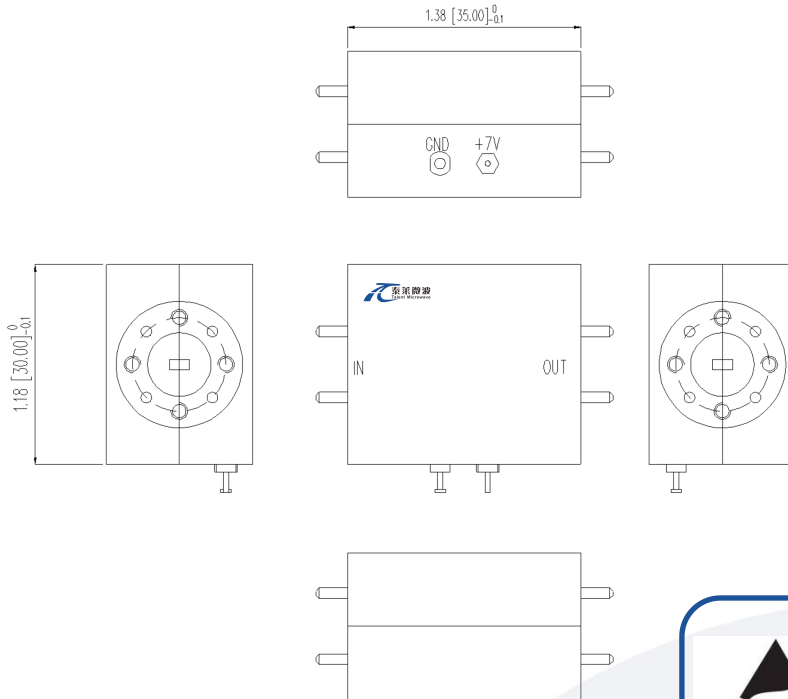


**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	TBD
输入功率 RF INPUT POWER	10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

**外形尺寸 Outline Drawing:**

Unit: mm(Inches)



**温度环境 Environmental Conditions:**

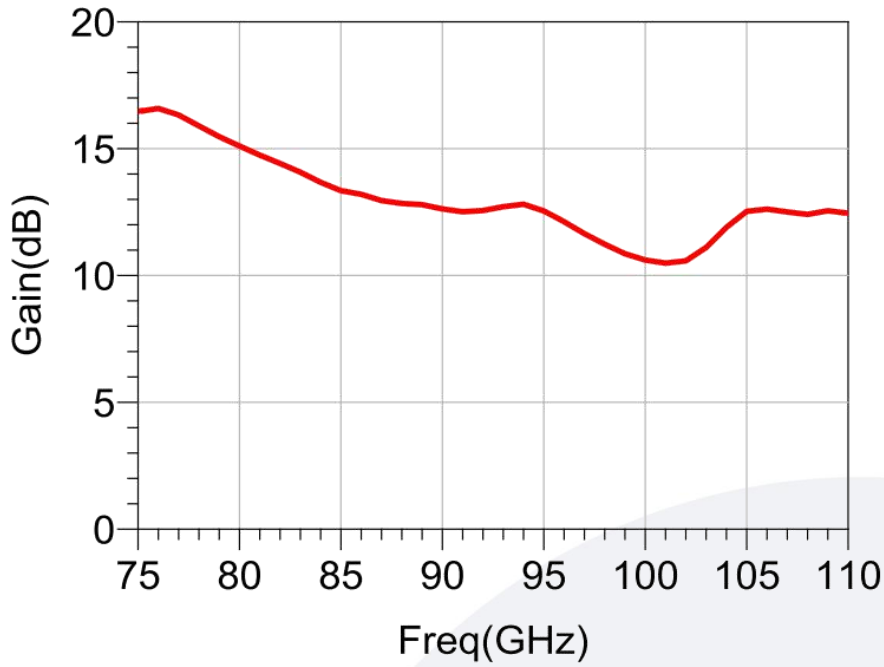
参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	0		+50	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

**订货信息 Ordering Information:**

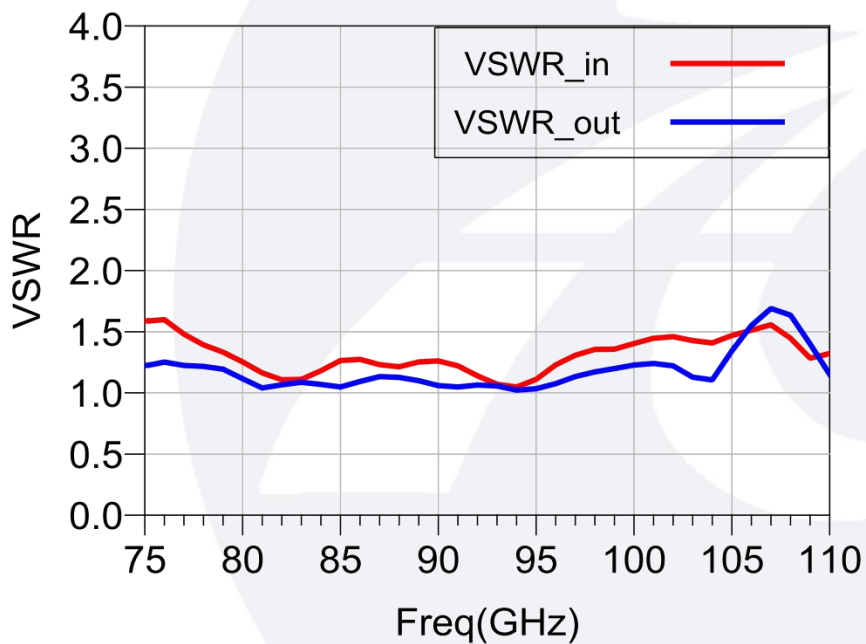
标准型号 Part Number	描述 Description	版本号Revision
TMPA-075110-1315-10-N	Power Amplifier 75-110 GHz, Psat:15 dBm Type, Gain:13 dBm Type,WR-10	Rev.1.1

典型曲线 Typical Performance Data:

小信号增益 vs. 频率



输入/输出驻波 vs. 频率



典型曲线 Typical Performance Data:

饱和输出功率 vs. 频率 @ Pin=2dBm

