

**Model: TMPA-095105-3012-10**

**Power Amplifier**

**95-105GHz, Psat:12 dBm, Gain:30 dB**

**Feature:**

- Frequency Range: 95-105 GHz
- Gain:30 dBm Typ
- Output Power Psat: 12 dBm Min
- 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	95-105			GHz
增益 Gain		30		dB
饱和输出功率Psat	12	13	15	dBm
输入驻波 Input VSWR		2.2		:1
输出驻波 Output VSWR		2..2		:1
直流电压 DC Voltage		5		V DC
直流电流 DC Supply Current		180		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	45×42×24	mm
重量 Weight	/	g

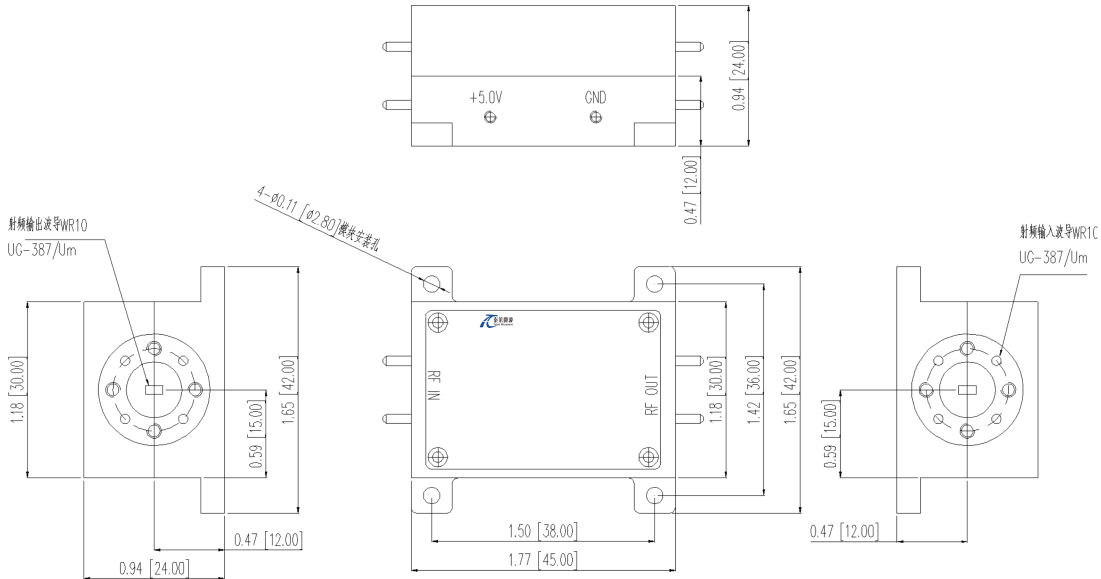


**绝对最大值 Absolute Maximum Ratings:**

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

外形尺寸 Outline Drawing:

Unit: mm(Inches)



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	-10		+40	°C
存储温度 Non-operating Temperature	-45		+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-095105-3012-10	Power Amplifier 95-105 GHz, Psat:12 dBm Min, Gain:30 dBm Typ,WR-10	Rev.1.1