

Model: TMPA-092096-2541-10
Power Amplifier
92-96GHz, Psat:41 dBm, Gain:25 dB
Feature:

- Frequency Range: 92-96 GHz
- Gain:25 dBm
- Output Power Psat: 41 dBm
- 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	92-96			GHz
增益 Gain	22	25	28	dB
饱和输出功率Psat	40.5	41	41.5	dBm
输入驻波 Input VSWR		-		:1
输出驻波 Output VSWR		-		:1
直流电压 DC Voltage		24		V DC
直流电流 DC Supply Current		19000		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

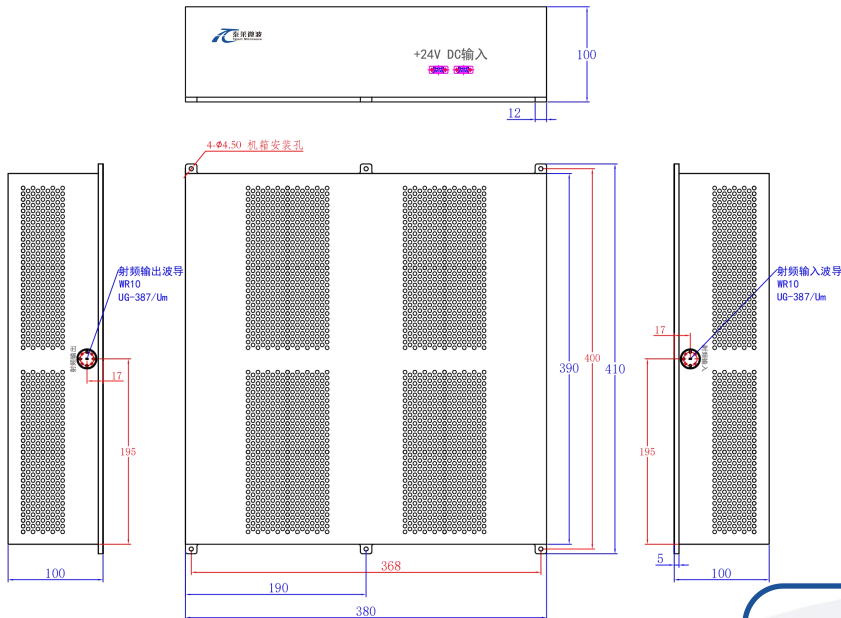

 Available 220V System
 Benchtop Amplifier

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)



92-96GHz 12W功放模块外形图



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		+55	°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-092096-2541-10	Power Amplifier 92-96 GHz, Psat:41 dBm Typ, Gain:25 dBm Typ,WR-10	Rev.1.1