

Model: TMPA-180260-1710-04
Power Amplifier
180-260GHz, Psat:10 dBm, Gain:17dB
Feature:

- Frequency Range: 180-260 GHz
- Gain:17 dB Type
- Output Power Psat: 10 dBm Type
- Good Power and Gain Flatness

电气特性 Electrical Specifications:

参数 Parameter	Min.	Typ.	Max.	单位 Units
频率范围 Frequency range	180-260			GHz
增益 Gain		17		dB
增益平坦度 Gain Flatness		±5		dB
饱和输出功率 Output Psat		10		dBm
输入驻波 Input VSWR		3.5		:1
输出驻波 Output VSWR		3		:1
直流电压 DC Voltage		+12		V DC
直流电流 DC Supply Current		250		mA

机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
Output Connector	WR-04/UG-387/U	
Input Connector	WR-04/UG-387/U	
Bias	Solder Pin	
Case Material	Aluminum	
Finish	Gold Plated	
Size	35.2*30*23	mm
Weight	90	g

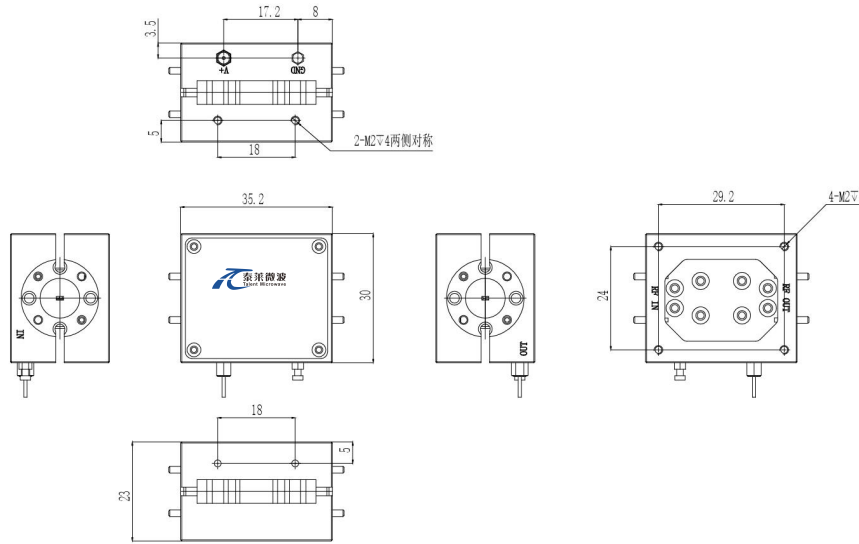

 Available 220V System
 Benchtop Amplifier

绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+15 V DC
输入功率 RF Input Power	+16 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm



*****Heat Sink Required During Operation**



温度环境 Environmental Conditions:

参数 Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-45		+85	°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-180260-1710-04	Power Amplifier 180-260GHz, Psat:10 dBm, Gain:17dB,Without Heatsink	Rev.1.1
TMPA-180260-1710-04-HS	Power Amplifier 180-260GHz, Psat:10 dBm, Gain:17dB,With Heatsink	Rev.1.1