

Model: TMPA-110170-2018-06

D-Band, Power Amplifier
110-170GHz, Psat:18 dBm, Gain:20dB

Feature:

- Frequency Range: 110-170 GHz
- Gain:20 dB Typ
- Output Power Psat: 18 dBm Typ
- 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	110-170			GHz
增益 Gain		20		dB
增益平坦度 Gain Flatness		±2		dB
饱和输出功率Psat		18		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		+12		V DC
直流电流 DC Supply Current		350		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-06/UG-387/U	
直流偏置 Bias	Solder Pin	
尺寸 Size	35.2*30*23	mm
重量 Weight	90	g

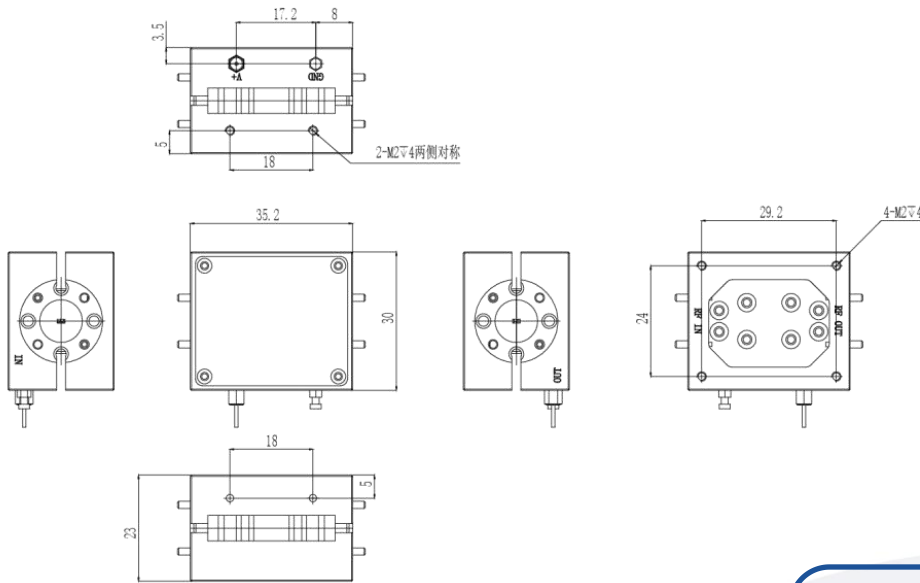


绝对最大值 Absolute Maximum Ratings:

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**



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	-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-110170-2018-06	D-band Power Amplifier 110-170GHz, Psat:18 dBm, Gain:20dB, Without Heatsink	Rev.1.1
TMPA-110170-2018-06-HS	D-band Power Amplifier 110-170GHz, Psat:18 dBm, Gain:20dB, With Heatsink	Rev.1.1