

Model: TMLA-060090-4540-12-N

Low Noise Amplifier 60-90GHz, NF:4.0 dB, Gain:45 dB ,WR-12

Feature:

- Ultra Wide Band: 60-90 GHz
- Gain: 45dB Typ
- Noise Figure: 4.0dB Typ
- Unconditional stability
- 50 Ohm Matched Input / Output

电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	60		90	GHz
增益 Gain	40	45		dB
噪声系数 Noise Figure		4.0	5.0	dB
输出功率1dB压缩点 Output P1dB	+6	+9		dBm
输入驻波 Input VSWR		3.0		:1
输出驻波 Output VSWR		2.0		:1
直流电压 DC Voltage		+5		V DC
直流供电 DC power supply		220		mA
阻抗 Impedance		50		Ohms

机械特性 Mechanical :

参数Parameter	指标 Value
输入接口 Input Connector	WR-12/ UG-387/U
输出接口 Output Connecto	WR-12/ UG-387/U
供电引脚 Power Supply Pin	Solder Pin
尺寸 Size	50*30*22mm



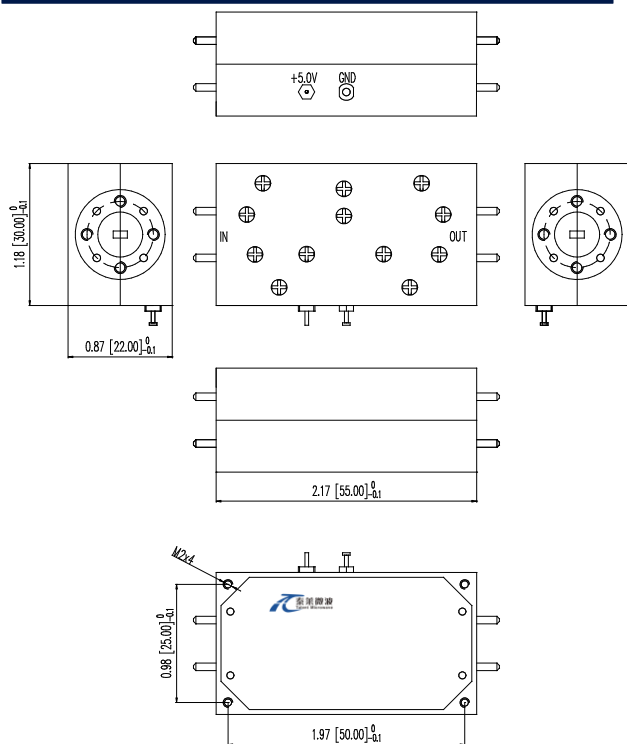
Available 220V System
Benchtop Amplifier

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: Inches(mm)



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	-25		+65	°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
TMLA-060090-4540-12-N	Low Noise Amplifier 60-90GHz, NF:4.0 dB, Gain:45 dB,WR-12	Rev.1.1