

Model:TMLA-050075-3445-15
**Low Noise Amplifier, WR-15, V-Band
 50-75GHz , NF:4.5 dB, Gain:34 dB**
Feature:

- RF Frequency: 50-75 GHz
- Gain: 34 dB Typ
- Noise Figure: 4.5dB Typ
- Compact and lightweight.
- Single power supply required.

电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
射频频率 RF Frequency	50		75	GHz
增益 Gain		34		dB
噪声系数 Noise Figure		4.5		dB
输出功率1dB压缩点 Output P1dB		8		dBm
输入驻波 Input VSWR		2.5		:1
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直流电压 DC Voltage		+12		V
供电电流 DC Supply Current		120		mA

机械特性 Mechanical :

参数Parameter	指标 Value	单位 Units
输出接口 Output Connector	WR-15/ UG-385/U	
输入接口 Input Connector	WR-15/ UG-385/U	
直流偏置 Bias	Solder Pin	
尺寸 Size	39×30×21	mm

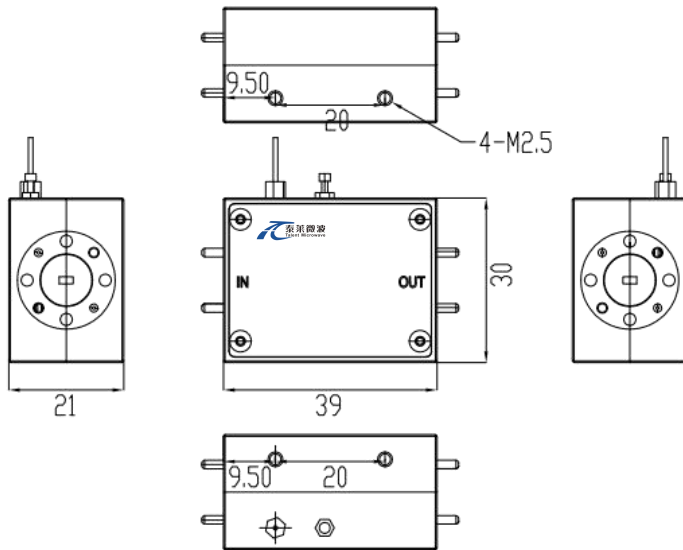

 Available 220V System
 Benchtop Amplifier

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	13V
输入功率 RF Input Power	-10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: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	-10		+65	°C
存储温度 Non-operating Temperature	-25		+75	°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-050075-3445-15	Low Noise Amplifier, WR-15, V-Band 50-75GHz , NF:4.5 dB, Gain:34 dB	Rev.1.1