

Model:TMLA-040060-2550-19-N
**Low Noise Amplifier, WR-19
 40-60GHz, NF:5.0dB, Gain:25dB**
Feature:

- Ultra Wide Band: 40-60GHz
- Gain:25dB Typ
- Noise Figure: 5.0dB Typ
- Unconditional stability

电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	40		60	GHz
增益 Gain	20	25	30	dB
增益平坦度 Gain Flatness		±3		dB
噪声系数 Noise Figure		5		dB
输出功率1dB压缩点 Output P1dB		15		dBm
饱和输出功率 Psat		17		dBm
杂散 Spurious		-60		dBc
输入功率 Input Power			-10	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		+8		V DC
直流供电 DC power supply		250		mA

机械特性 Mechanical :

参数Parameter	指标 Value
输入接口 Input Connector	WR19/UG-383
输出接口 Output Connector	WR19/UG-383
供电引脚 Power Supply Pin	Solder Pin
尺寸 Size	45mm*30mm*30mm

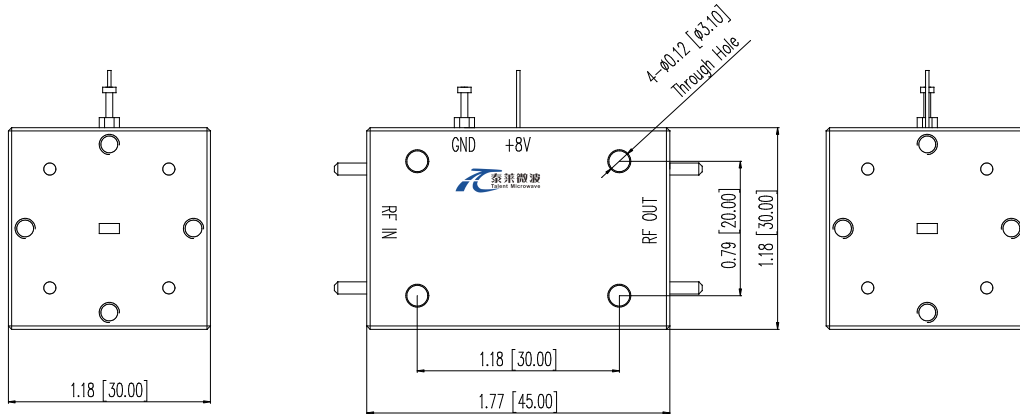

 Available 220V System
 Benchtop Amplifier

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+8V
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: 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	-40		+75	°C
存储温度 Non-operating Temperature	-55		+85	°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-040060-2550-19-N	Low Noise Amplifier, 40-60GHz, Noise Figure:5.0dB , Gain:25dB, WR19	Rev.1.1