

## Model: TMLA-100160-1850-06

## Low Noise Amplifier 110-160GHz, NF:5.0 dB, Gain:18 dB

### Feature:

- Ultra Wide Band: 110-160 GHz
- Gain: 18dB 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	110		160	GHz
增益 Gain		18		dB
噪声系数 Noise Figure		5.0		dB
输出功率1dB压缩点 Output P1dB		-2		dBm
输入驻波 Input VSWR		3		: 1
输出驻波 Output VSWR		2.5		: 1
直流电压 DC Voltage		+5		V DC
直流供电 DC power supply		40		mA

### 机械特性 Mechanical :

参数Parameter	指标 Value
输入接口 Input Connector	WR-06/ UG-387/U
输出接口 Output Connecto	WR-06/ UG-387/U
供电引脚 Power Supply Pin	Solder Pin
尺寸 Size	

### 绝对最大值 Absolute Maximum Ratings:

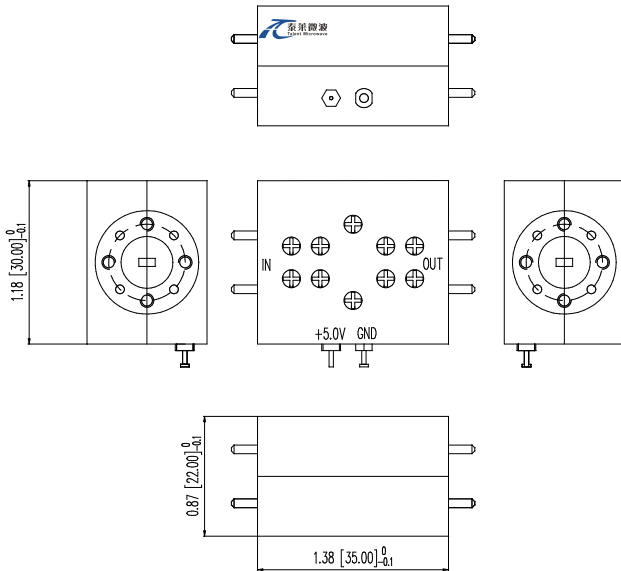
参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+5V
输入功率 RF INPUT POWER	TBD
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System  
Benchtop Amplifier

**外形尺寸 Outline Drawing:**

Unit: mm(Inches)



**温度环境 Environmental Conditions:**

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-55		+85	°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-100160-1850-06	Low Noise Amplifier, 100-160GHz, Noise Figure:5 dB, Gain:18dB, P1dB:-2dBm,5V DC, WR-06	Rev.1.1