

Model: TLLA0.1G50G-28-50

Low Noise Amplifier 0.1-50GHz, NF:5.0dB, Gain:28dB, P1dB:10dBm

Feature:

- Ultra Wide Band: 0.1-50GHz
- Gain: 28dB Min
- Noise Figure: 5.0dB 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	0.1-50			GHz
增益 Gain	28			dB
增益平坦度 Gain Flatness			±3.0	dB
噪声系数 Noise Figure		5.0		dB
线性输出功率P1dB	10			dBm
输入驻波 Input VSWR			3.0	: 1
输出驻波 Output VSWR			3.0	: 1
直流电压 DC Voltage		+12		V DC
直流供电 DC power supply		420		mA
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

参数Parameter	指标 Value
输入输出接口 Input /Output Connector	2.4mm Female/2.4mm Female
直流偏置 Bias	Solder Pin
尺寸 Size	29.5mm*19.05mm*9.27mm
重量 Weight	/



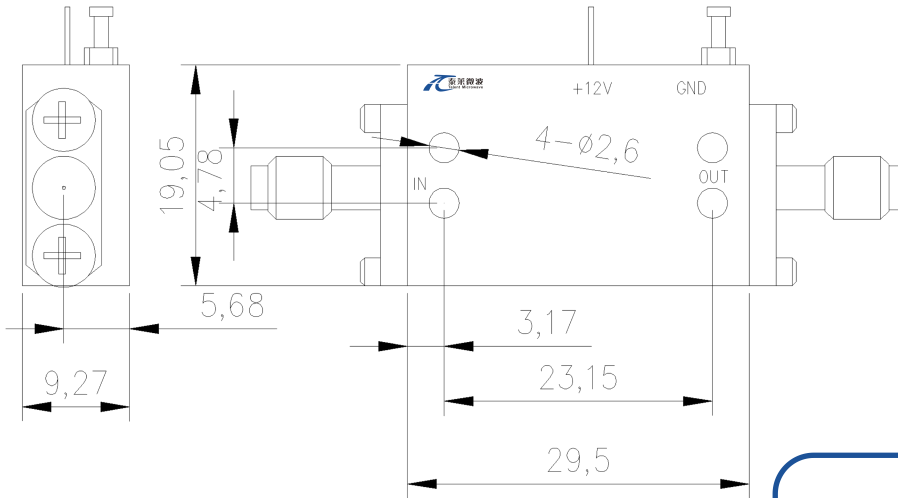
Available 220V System
Benchtop Amplifier

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+12 V
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: mm(Inches)



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		+70	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity	100% RH at 35c,95%RH at 40°C			
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
TLLA0.1G50G-28-50	Low Noise Amplifier,0.1-50GHz,Noise Figure:5.0dB, Gain:28 dB,P1dB:10dBm,15V DC,2.4mm Female	Rev.1.1