

Model: TLLA50K50G-33-60

Low Noise Amplifier 50KHz-50GHz, NF:6.0dB, Gain:32dB

Feature:

- Ultra Wide Band: 50KHz-50GHz
- Gain: 32dB Type
- Noise Figure: 6.0dB 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	50KHz-50GHz			GHz
增益 Gain		32		dB
增益平坦度 Gain Flantness		3.5		
噪声系数 Noise Figure		6		dB
输出功率1dB压缩点 Output P1dB		19		dBm
输入驻波 Input VSWR		1.9		: 1
输出驻波 Output VSWR		1.9		: 1
直流电压 DC Voltage		+12		V DC
直流供电 DC power supply		400		mA
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

参数Parameter	指标 Value
输入接口 Input Connector	2.4mm-Female
输出接口 Output Connecto	2.4mm-Female
供电引脚 Power Supply Pin	Solder Pin
尺寸 Size	40mm*35mm*12mm



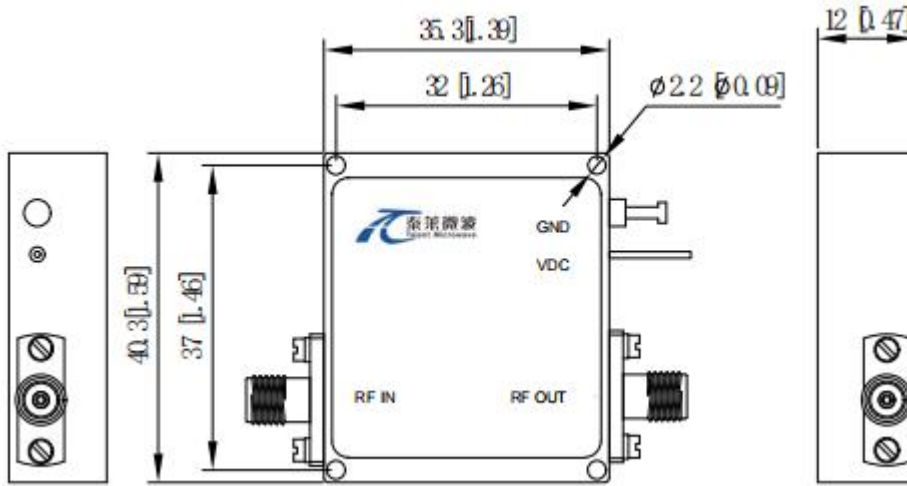
Available 220V System
Benchtop Amplifier

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	-5 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	-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
TLLA50K50G-33-60	Low Noise Amplifier 50KHz-50GHz, NF:6.0dB, Gain:32dB,2.4mm-F	Rev.1.1