

Model:TLDCADC1.5G-14-14

DC Coupled Amplifier

DC-1.5GHz,Gain:16dB,P1dB:14dBm

Feature:

- Ultra Wide Band: DC-1.5GHz
- Gain:15dB Min
- P1dB Output Power:14dBm Min
- Internally Voltage Regulated
- 50 Ohm Matched Input / Output

电气特性 Electrical Specifications:

参数Parameter	Min	Typ	Max	单位Units
频率范围 Frequency range	DC-1.5			GHz
增益 Gain		16		dB
3-dB带宽 3-dB Bandwidth		1500		MHz
线性输出功率 Output P1dB	+14	+15		dBm
噪声系数 Noise Figure			16	dB
输入驻波 Input VSWR		1.8		:1
输出驻波 Output VSWR		1.3		:1
最大输入功率 Input Power		10		dBm
直流电压 DC Voltage		+12	+14	V DC
直流电流 DC Supply Current		55		mA
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

参数Parameter	指标 Value	单位Units
输入/输出接口 Input /Output Connector	SMA Female/SMA Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	29.2*44.8*11	mm

绝对最大值 Absolute Maximum Ratings:

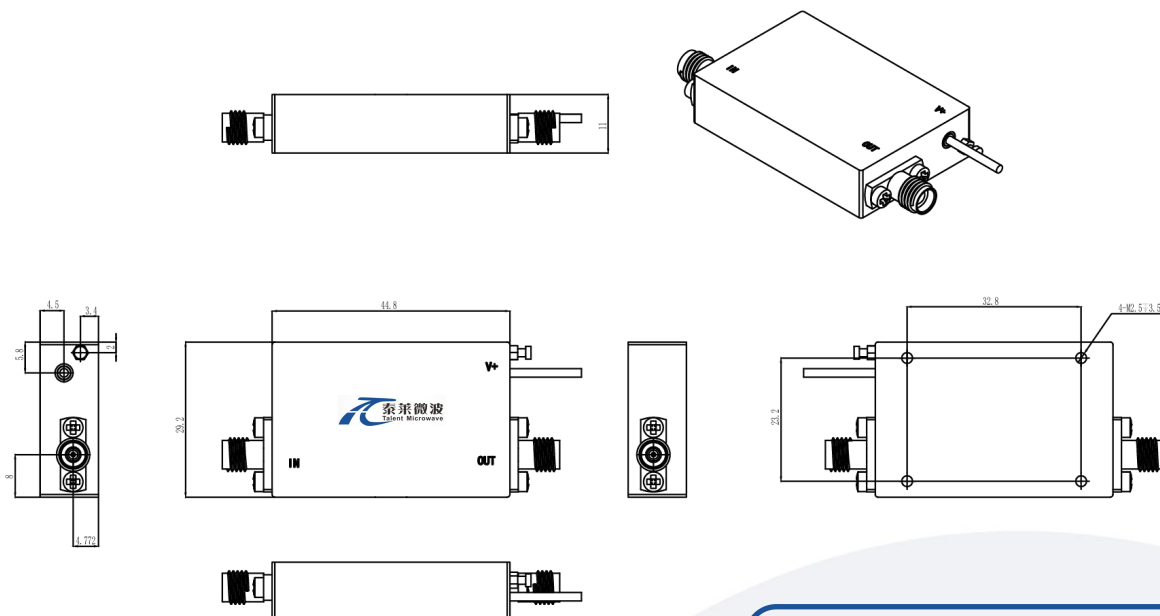
参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+14V
输入功率 RF Input Power	10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

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	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	30,000			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
TLDCADC1.5G-14-14	DC Coupled amplifier DC-1.5GHz,Gain:16dB,P1dB:14dBm,+12VDC.	Rev.1.1