

Model: TLVA2G18G-50-10H
**Voltage Controlled Attenuator
 2-18 GHz, 50 dB Range**
Feature:

- Ultra Wide Band: 2-18 GHz
- Attenuation Range: 50 dB Typ
- Insertion Loss: 5 dB Typ
- High Attenuator Accuracy

电气特性 Electrical Specifications:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	2-18			GHz
插损 Insertion Loss		1.4	1.8	dB
衰减范围 Attenuation Range		50		dB
切换时间 Switch Speed		5		us
输入三节交调点 Input IP3		45		dBm
输入驻波 Input VSWR		1.5	1.8	:1
输出驻波 Output VSWR		1.5	1.8	:1
最大输入功率 Input Max Power			37	dBm
直流电压 DC Voltage	0	10		V DC
直流电流 Supply Current			15	mA
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

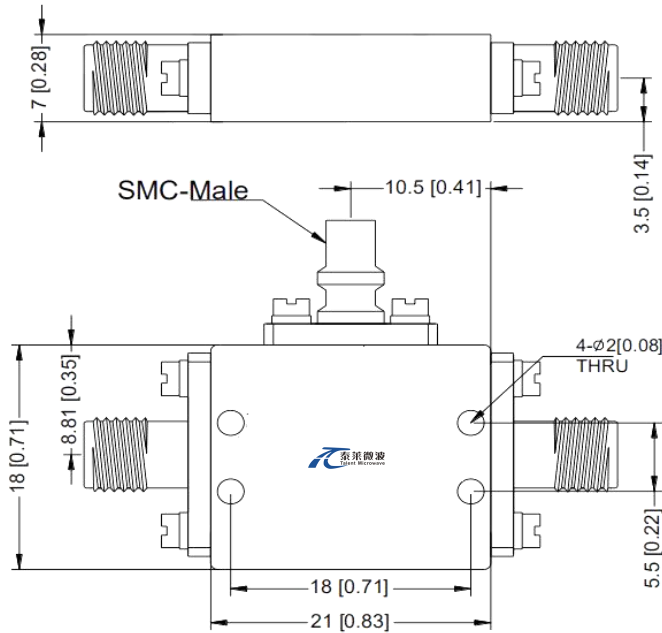
参数Parameter	指标 Value	单位Units
输入/输出接口 Input /Output Connector	SMA-Female	
控制连接器 Control Connector	SMC-Male	
尺寸 Size	21*18*7	mm
材质 Material	Copper	

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	37 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm



温度环境 Environmental Conditions:

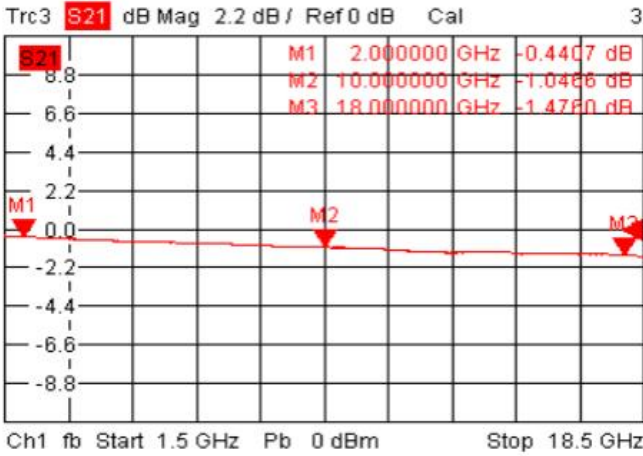
参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

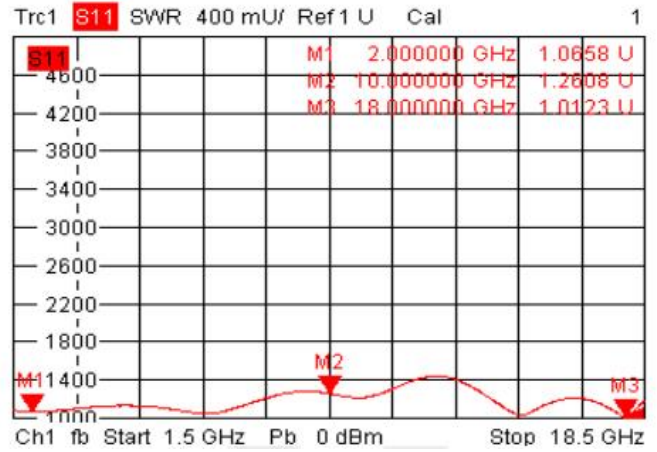
标准型号 Part Number	描述 Description	版本号Revision
TLVA2G18G-50-10H	Voltage Controlled Attenuator 2-18 GHz, 50 dB Range,SMA-Female	Rev.1.1

典型曲线 Typical Performance Date:

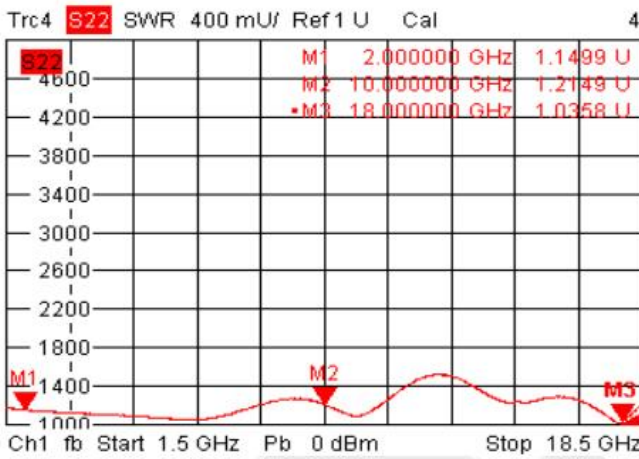
插损 vs 频率



输入驻波 vs 频率



输出驻波 vs 频率



衰减 vs 频率

