

Model: TLVA060090-36-12
**Voltage Controlled Attenuator
 60-90 GHz, 36 dB Range**
Feature:

- Ultra Wide Band: 60-90 GHz
- Attenuation Range: 36 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	60-90			GHz
插损 Insertion Loss		5	8	dB
衰减范围 Attenuation Range		36		dB
输入驻波 Input VSWR		2		:1
最大输入功率 Input Max Power		15		dBm
控制电压范围 Control Voltage Range	-5		0	V
控制电流 Control Current		0.5		mA
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

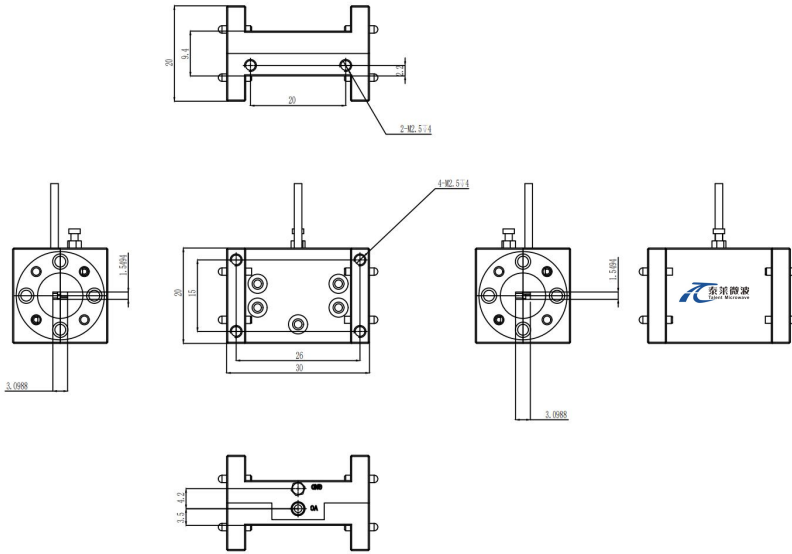
参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input /Output Connector	WR-12/UG-387/U	
控制连接器 Control Connector	Pin	
尺寸 Size	30*20*20	mm
材质 Material	Brass gold plated	

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	15 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:

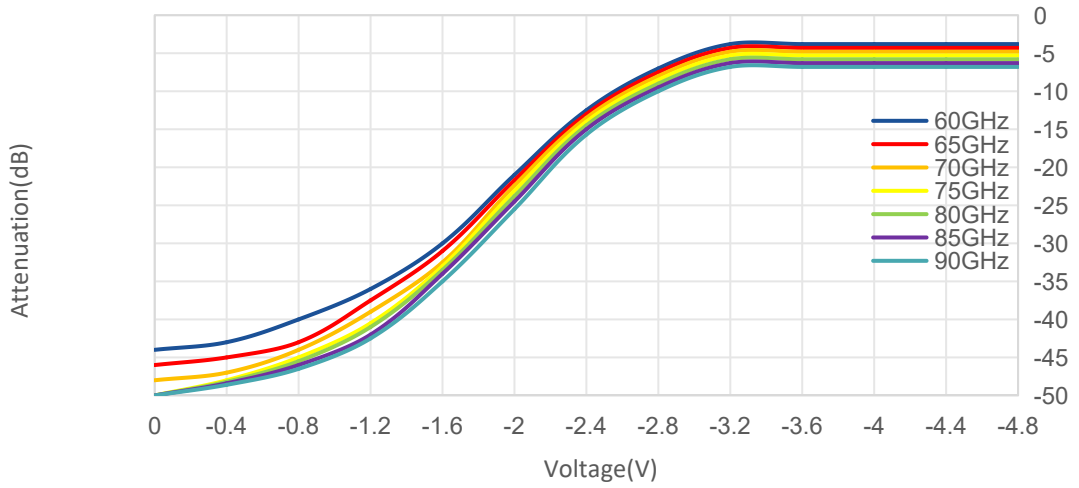
参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20g for 11msc 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
TLVA060090-36-12	Voltage Controlled Attenuator 60-90 GHz, 36 dB Range,WR-12	Rev.1.1

典型曲线 Typical Performance Data:

Attenuation vs Voltage



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.