

## E-band High Dynamic Range Electrical Attenuator

WR-12/60-90GHz/36dB Attenuation range

Model:TLVA060090-36-12

TLVA060090-36-12 is a E-band electrical attenuator. The attenuator exhibits 36 dB nominal attenuation range across the frequency range of 60 to 90 GHz. The control voltage of the standard model is -5 to 0 VDC. The RF input and output ports are WR-12 waveguides with UG-387/U-M anti-cocking flanges, and solder pin provides the control signal.

### Features:

- Operating Frequency 60 to 90 GHz
- High Dynamic Range

### Applications:

- THz Systems
- Testing Equipment

### 电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency Range	60		90	GHz
衰减范围 Attenuation Range		36		dB
插损 Insertion Loss @Control voltage=-5V		5		dB
输入驻波 Input VSWR		2.0		:1
控制电压 Control Voltage	-5		0	V DC

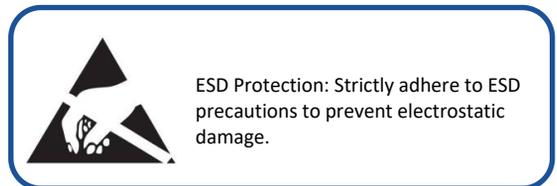
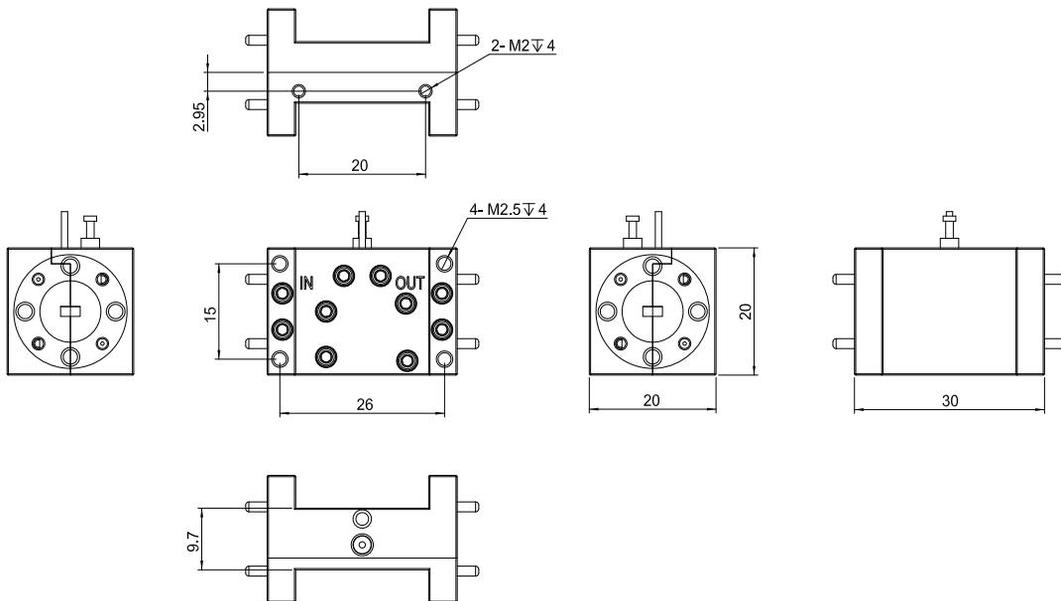
### 环境和机械特性 Environmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temperature	0 To +50	°C
存储温度 Storage Temperature	0 to +50	°C
输入/输出接口 Input /Output Connector	WR-12/UG-387/U	
尺寸 Size	30*20*20	mm

## 绝对最大值 Absolute Maximum Ratings :

描述 Description	参数 Parameter	单位 Units
射频输入功率 RF Input Power	+15	dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V	

## 外形图 Outline Drawing: Unit:mm

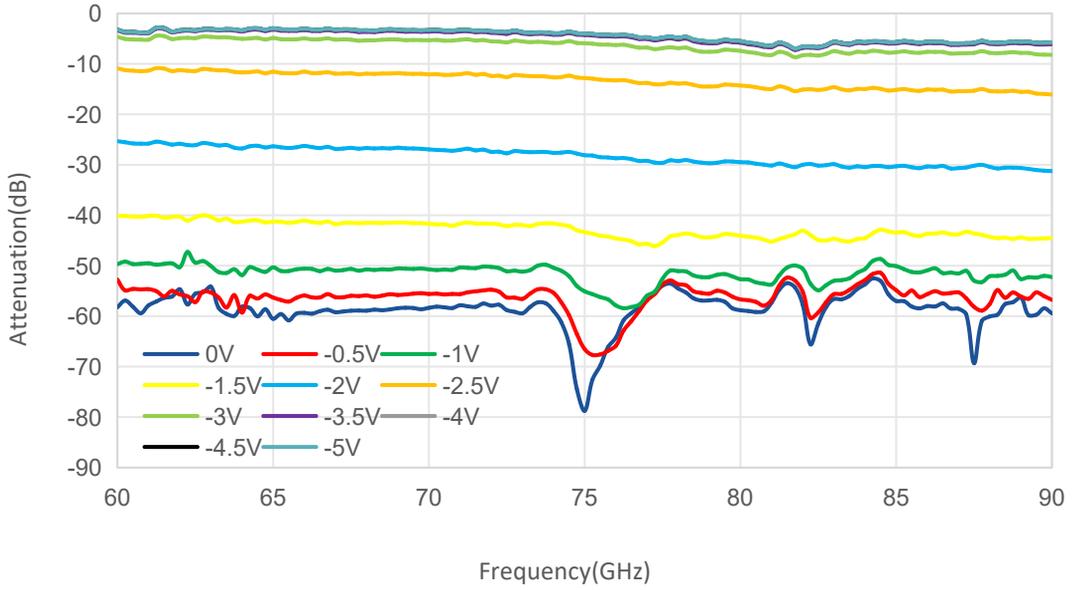


## 订货信息 Ordering Information:

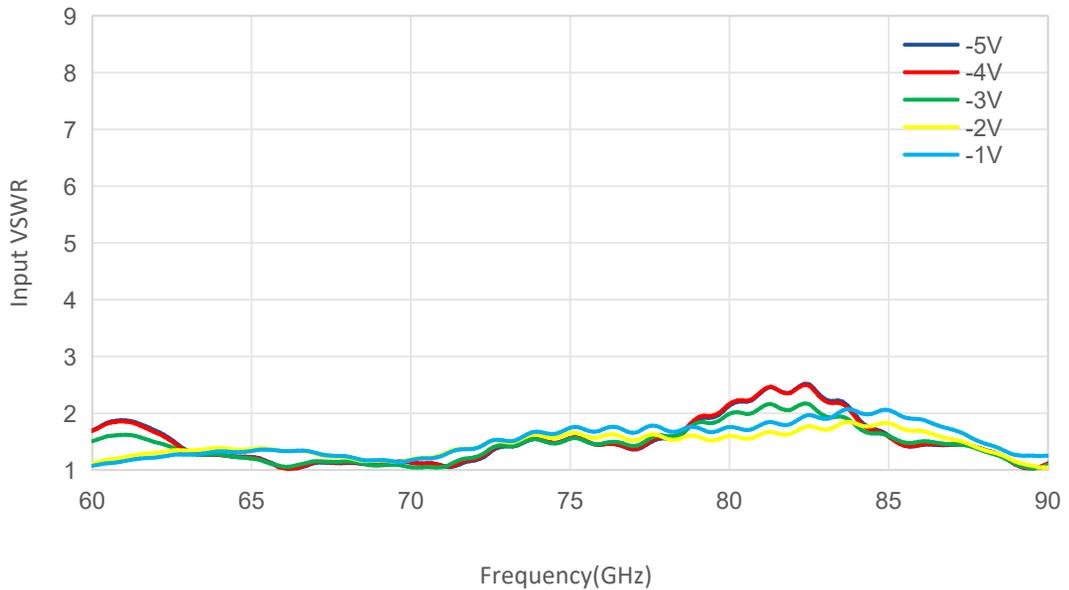
标准型号 Base Number	描述 Description
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## 典型曲线 Typical Performance Data:

### Attenuation@Voltage

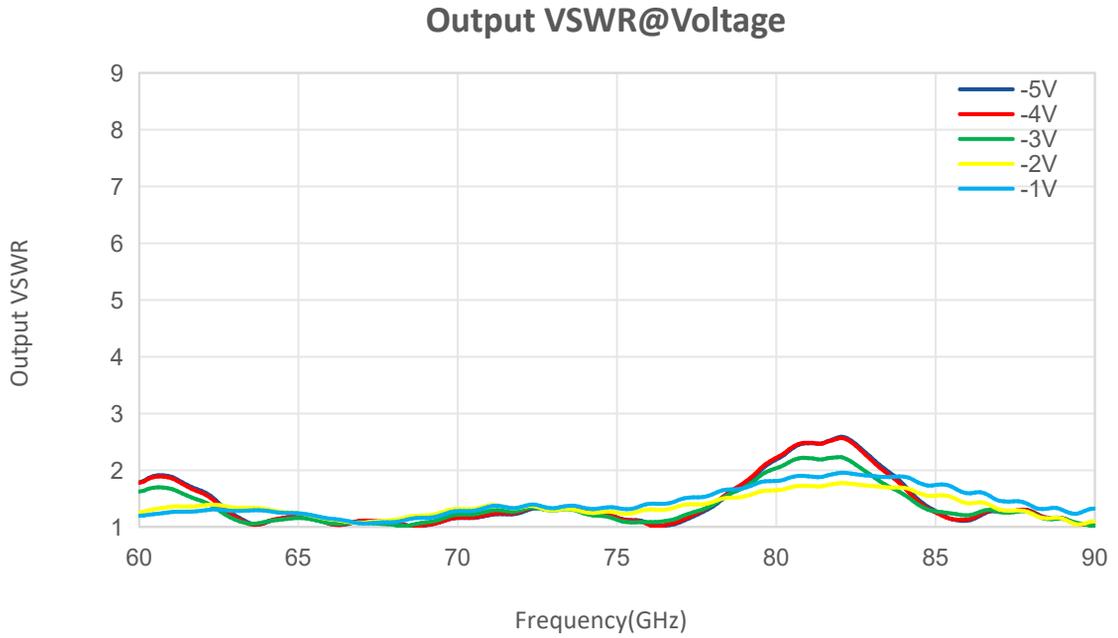


### Input VSWR@Voltage



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.

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