

D-band High Dynamic Range Electrical Attenuator

WR-6.5/110-170GHz/20dB Attenuation range

Model: TLVA-110170-20-06

TLVA-110170-20-06 is a D-band electrical attenuator. The attenuator exhibits 20 dB nominal attenuation range across the frequency range of 110 to 170 GHz. The control voltage of the standard model is -1 to 0 VDC. The RF input and output ports are WR-6.5 waveguides with UG-387/U-M anti-cocking flanges, and solder pin provides the control signal.

Features:

- Operating Frequency 110 to 170 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	110		170	GHz
衰减范围 Attenuation Range	3		20	dB
插损 Insertion Loss		5		dB
控制电压 Control Voltage	-1		0	V DC

环境和机械特性 Envirionmental And Physical Characteristics:

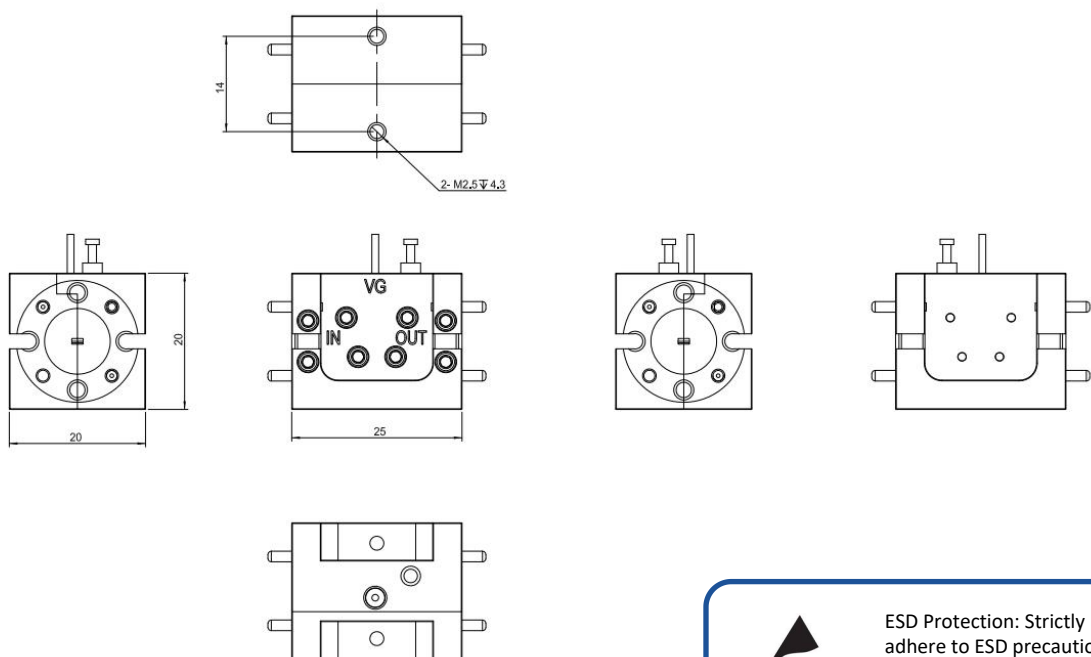
类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temerature	0 To +50	°C
存储温度 Storage Temerature	0 to +50	°C
输入/输出接口 Input /Output Connector	WR-6.5/UG-387/U	
尺寸 Size	25*20*20	mm

绝对最大值 Absolute Maximum Ratings :

描述 Description	参数 Parameter	单位 Units
供电偏置电压 Supply Bias Voltage	±5%	V
射频输入功率 RF Input Power	TBD	dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V	

外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



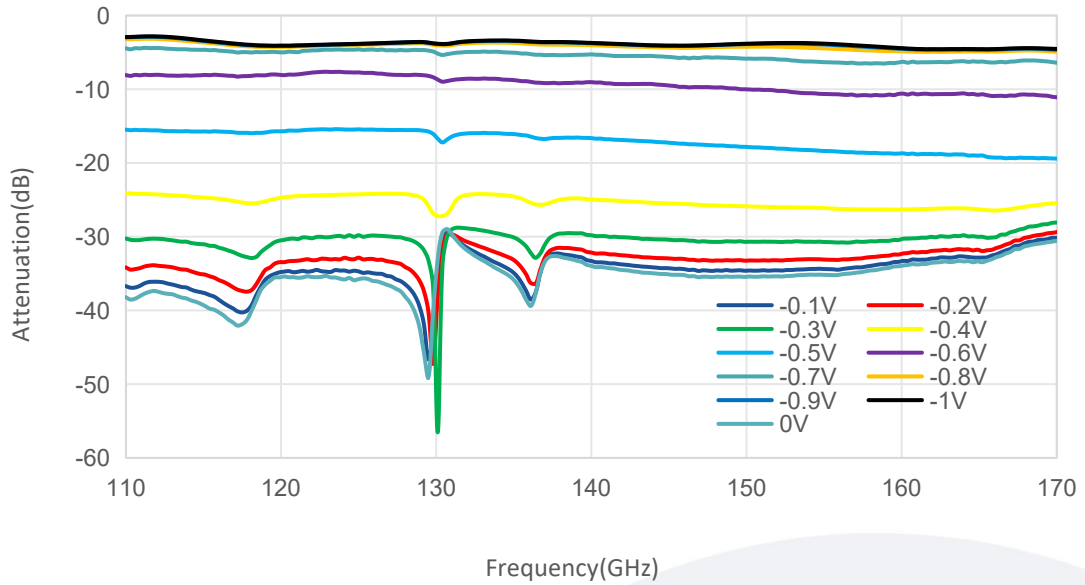
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

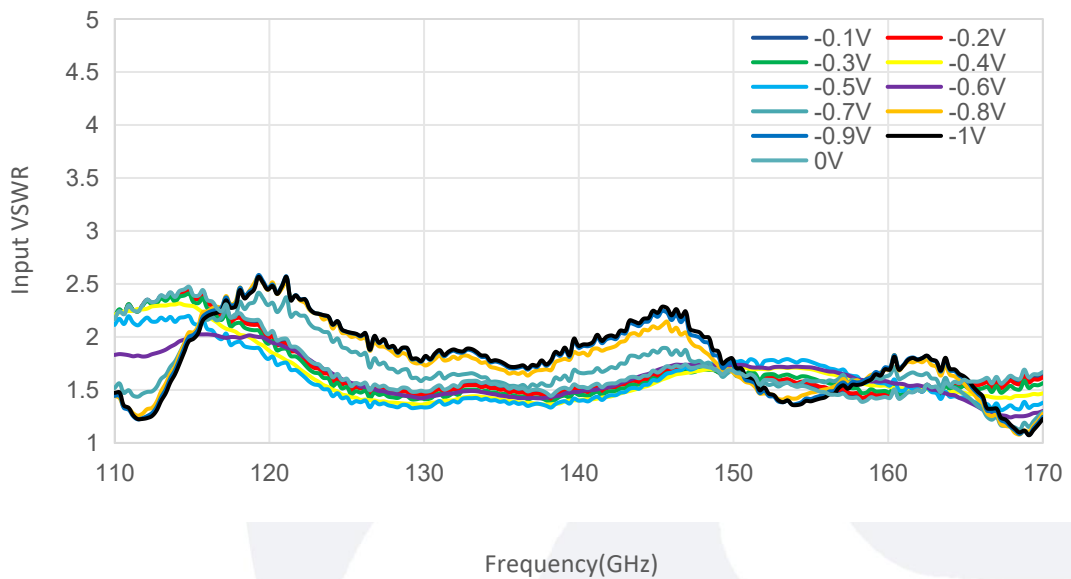
标准型号 Base Number	描述 Description
TLVA-110170-20-06	D-band High Dynamic Range Electrical Attenuator 110-170 GHz, 36dB Attenuation Range, WR-6.5

典型曲线 Typical Performance Data:

Attenuation@Voltage



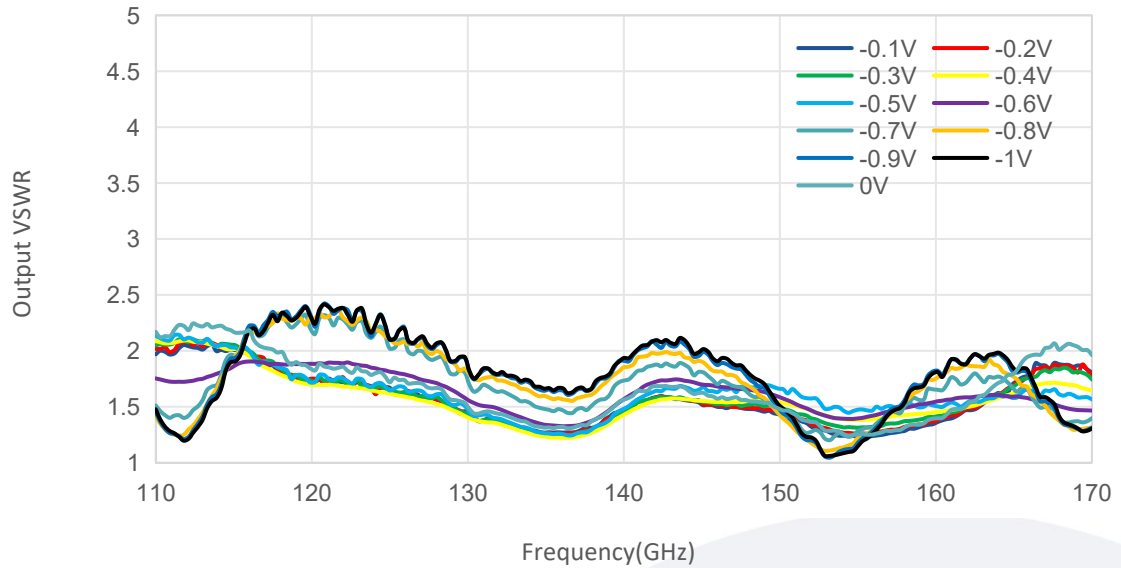
Input VSWR@Voltage



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.

典型曲线 Typical Performance Data:

Output 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.