

U-band High Dynamic Range Electrical Attenuator

WR-19/40-60GHz/40dB Attenuation range

Model: TLVA-040060-40-19

TLVA-040060-40-19 is a U-band electrical attenuator. The attenuator exhibits 0 to 40 dB nominal attenuation range across the frequency range of 40 to 60 GHz. The control voltage of the standard model is -5 to 0 VDC. The RF input and output ports are WR-19 waveguides with UG-383/U-M anti-cocking flanges, and solder pin provides the control signal.

Features:

- Operating Frequency 40 to 60 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	40		60	GHz
插入损耗 Insertion Loss@Vc=-5V		3.5		dB
输入驻波 Input VSWR		1.5		:1
输出驻波 Output VSWR		1.3		:1
衰减范围 Attenuation Range		0~40	0~60	dB
控制电压 Control Voltage	-5		0	V DC

环境和机械特性 Envirionmental And Physical Characteristics:

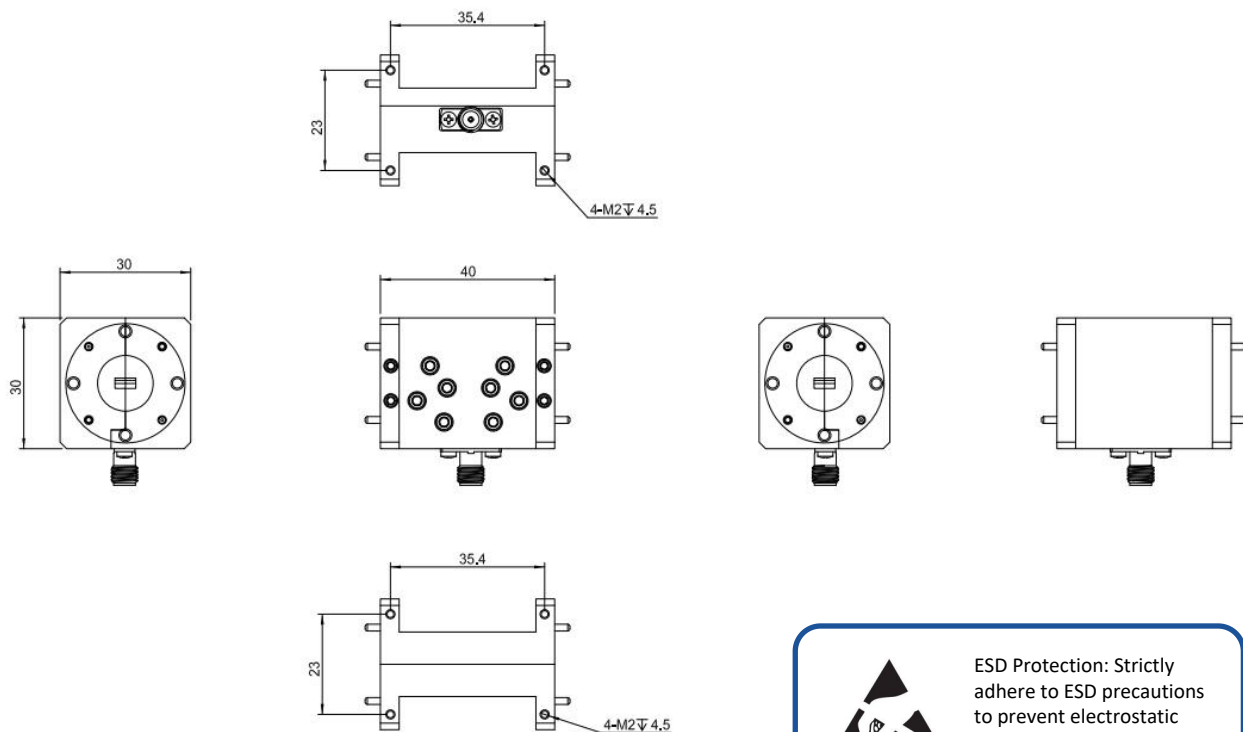
类型 Description	参数 Parameter	单位 Units
输入/输出接口 Input /Output Connector	WR-19/UG-383/U	
尺寸 Size	40*30*30	mm

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	-10~0	V
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; Tolerance:±0.1mm

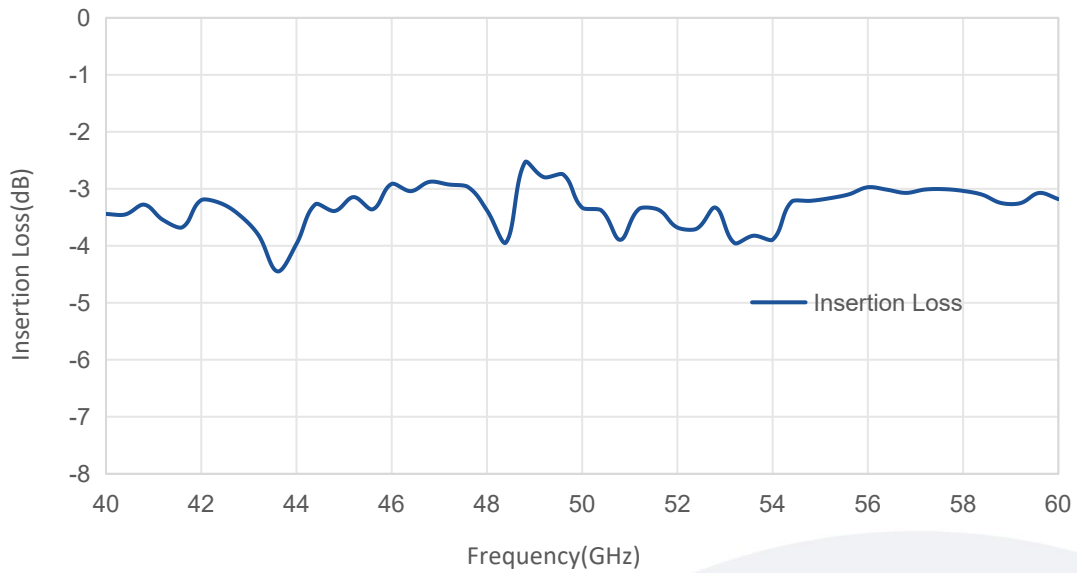


订货信息 Ordering Information:

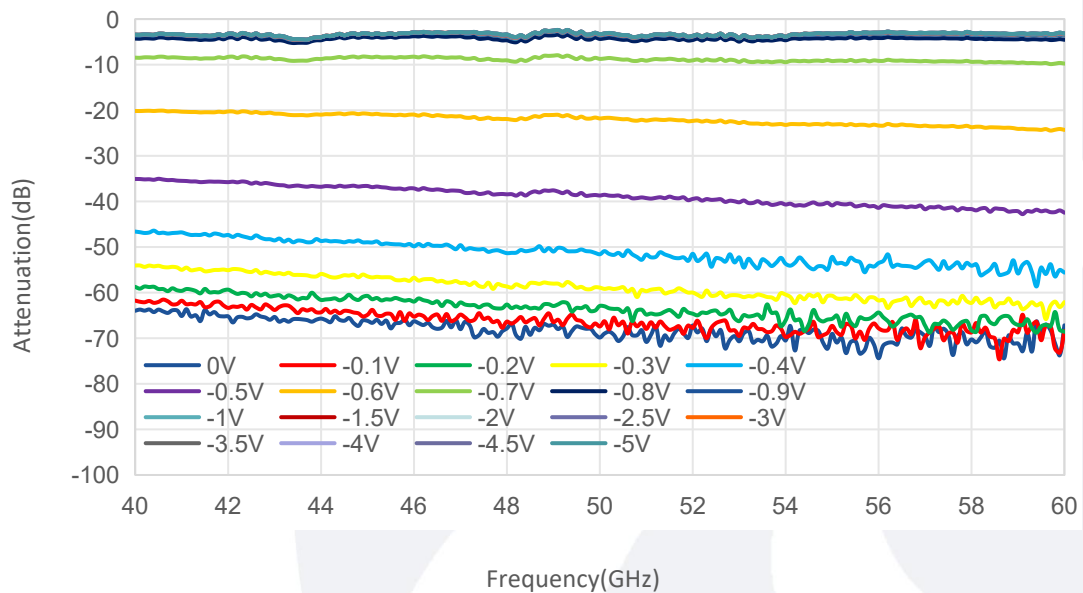
标准型号 Base Number	描述 Description
TLVA-040060-40-19	U-band High Dynamic Range Electrical Attenuator 40-60 GHz, 0~40dB Attenuation Range, WR-19

典型曲线 Typical Performance Data:

Insetion Loss vs Frequency



Attenuation@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.