

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

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	40		60	GHz
Insertion Loss@Vc=-5V		3.5		dB
Input VSWR		1.5		:1
Output VSWR		1.3		:1
Attenuation Range		0~40	0~60	dB
Control Voltage	-5		0	V DC

Envrionmental And Physical Characteristics:

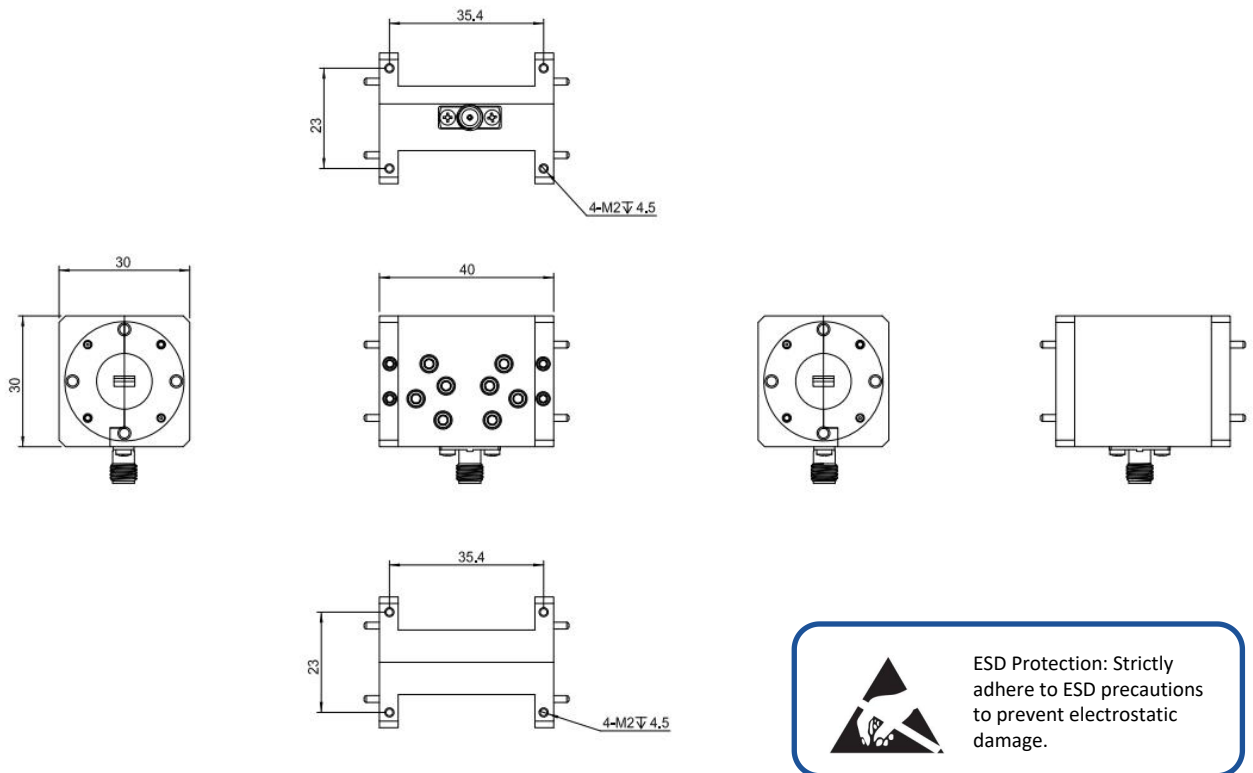
Description	Parameter	Units
Input /Output Connector	WR-19/UG-383/U	
Size	40*30*30	mm

Absolute Maximum Ratings :

Description	Parameter	Units
Supply Bias Voltage	-10~0	V
RF Input Power	+15	dBm
ESD sensitivity (HBm)	Class 0, passed 150V	

Outline Drawing:

Unit:mm; Tolerance:±0.1mm

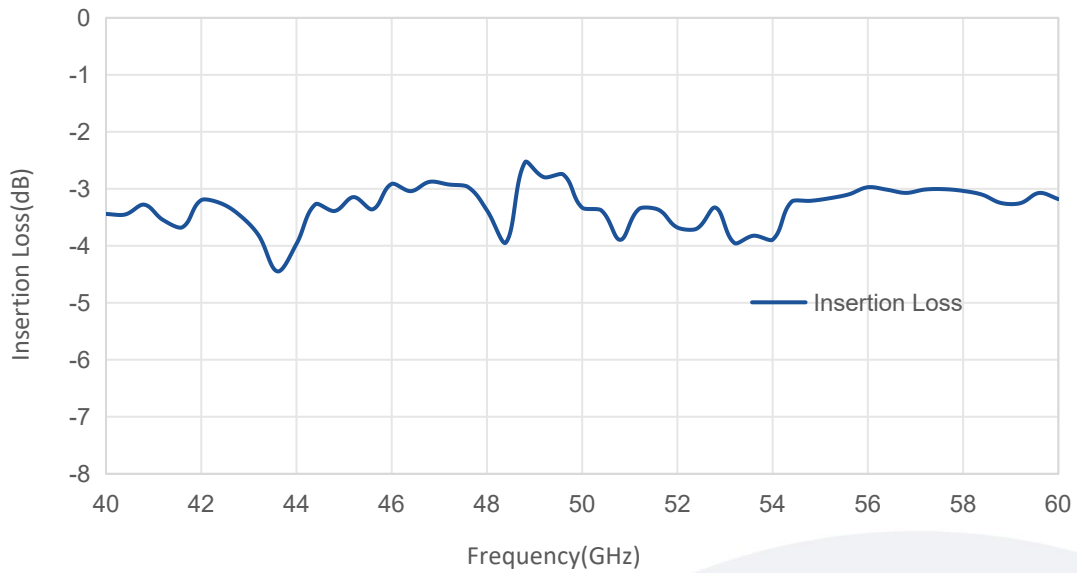


Ordering Information:

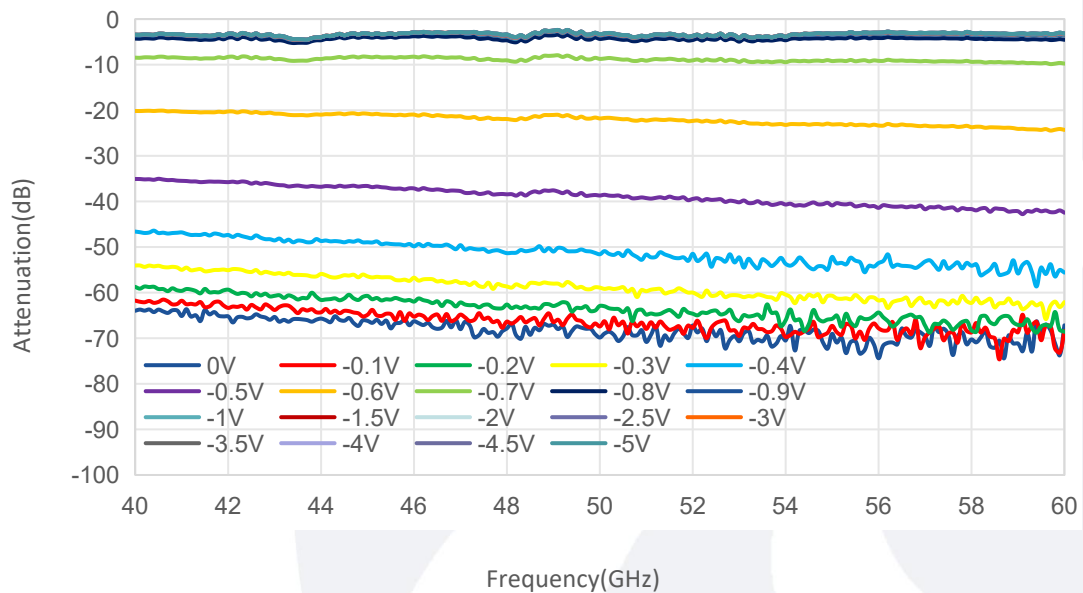
Base Number	Description
TLVA-040060-40-19	U-band High Dynamic Range Electrical Attenuator 40-60 GHz, 0~40dB Attenuation Range, WR-19

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.