

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

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	60		90	GHz
Attenuation Range		36		dB
Insertion Loss @Control voltage=-5V		5		dB
Input VSWR		2.0		:1
Control Voltage	-5		0	V DC

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	0 To +50	°C
Storage Temerature	0 to +50	°C
Input /Output Connector	WR-12/UG-387/U	
Size	30*20*20	mm

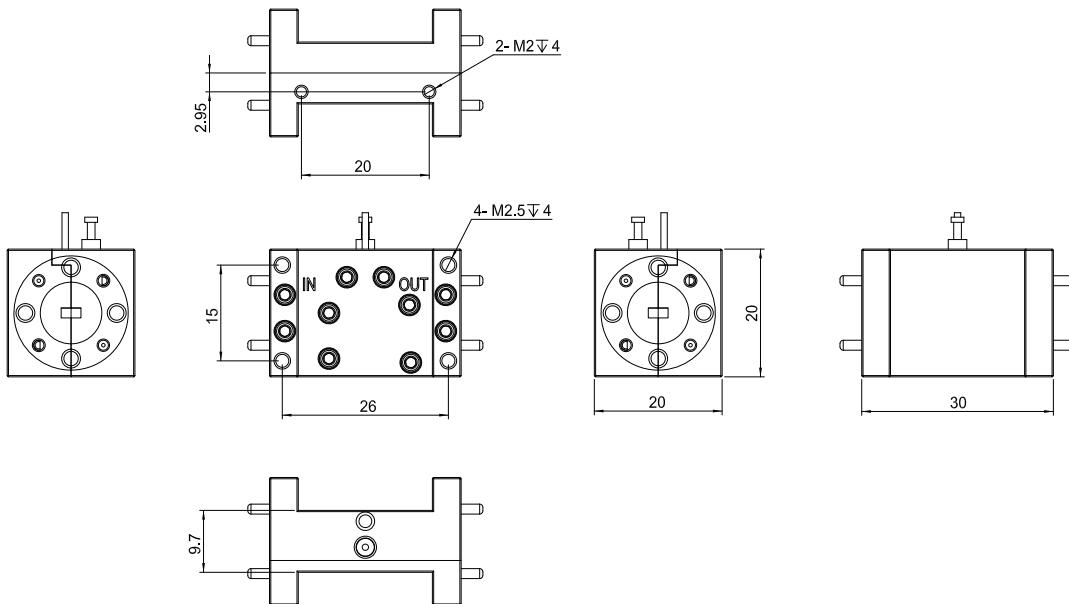
Absolute Maximum Ratings :

Description	Parameter	Units
RF Input Power	+15	dBm
ESD sensitivity (HBM)	Class 0, passed 150V	

Outline Drawing:

Unit:mm

Regulatory Compliance:



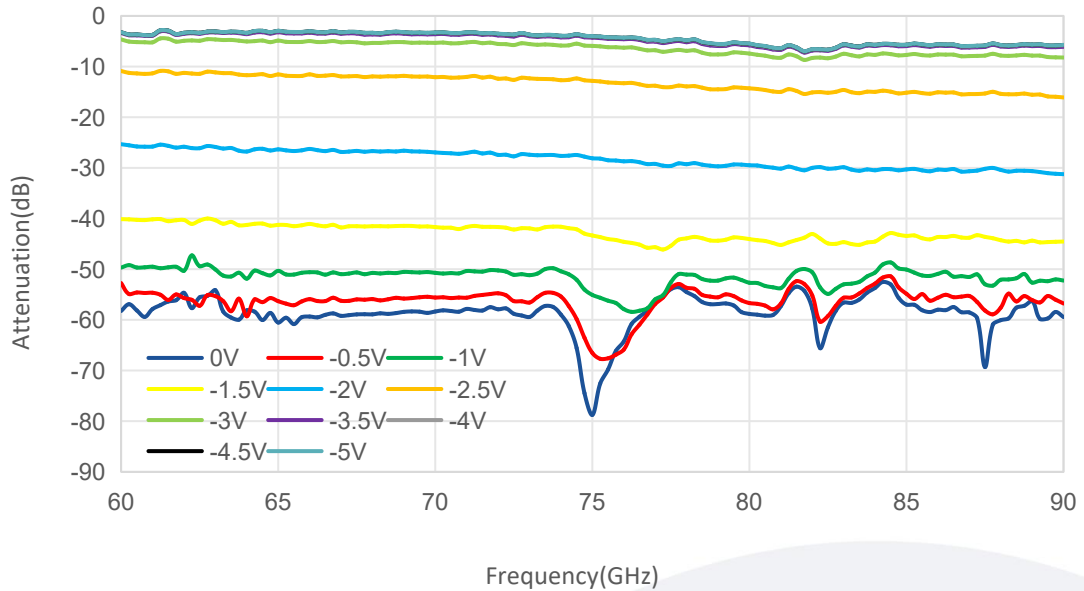
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

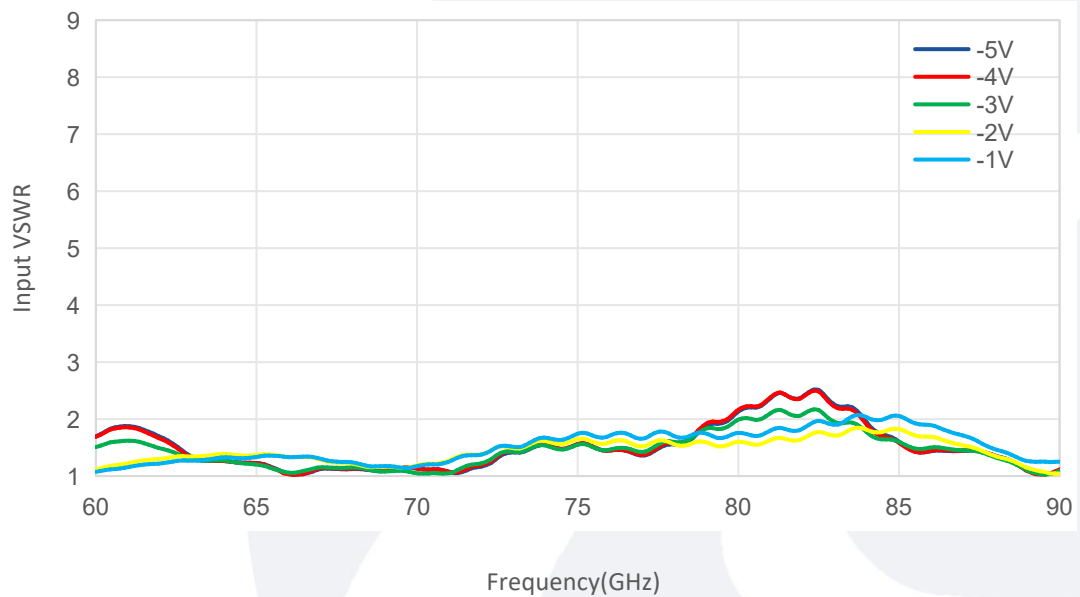
Base Number	Description
TLVA060090-36-12	E-band High Dynamic Range Electrical Attenuator 60-90 GHz, 36dB Attenuation Range, WR-12

Typical Performance Data:

Attenuation@Voltage

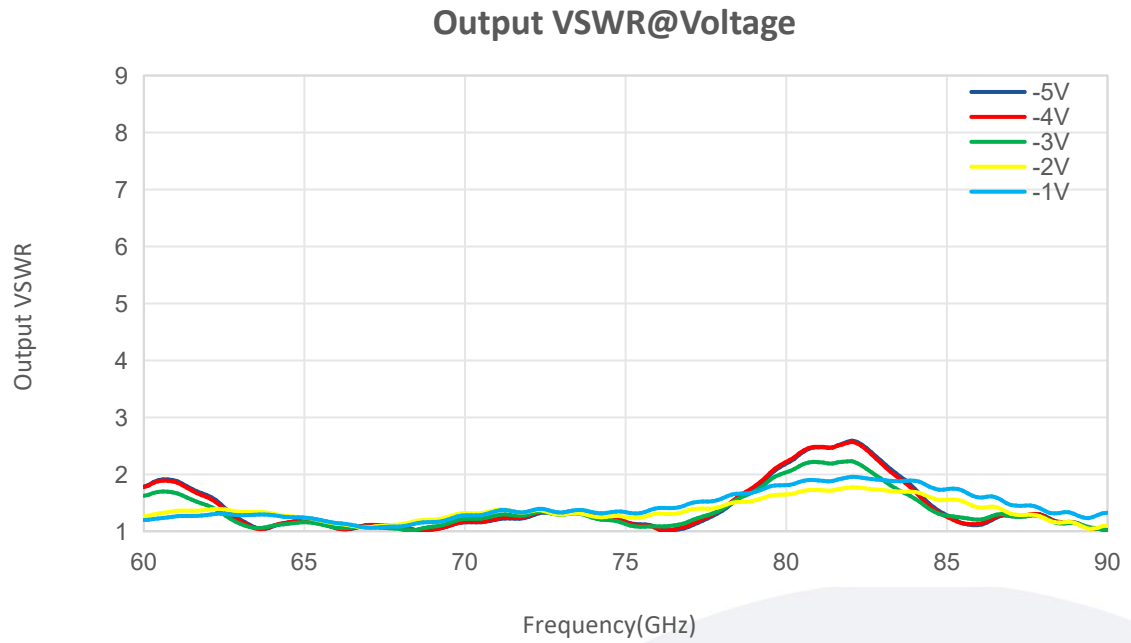


Input VSWR@Voltage



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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