

Power Limiter

DC-40GHz/ESD Protection

Model: TLMTDC40G-30-ESD

The TLMTDC40G-30-ESD has an ESD protection function, which prevents ICs, chips, and PCBs from being damaged or scrapped by static electricity.

Features:

- Frequency range: DC-40GHz
- ESD protection: 14KV
- Low Insertion Loss
- 50 Ohm Matched Input / Output

Applications:

- Communication receiver
- Laboratory test
- Sensor radar

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency range	DC		40	GHz
Insertion Loss		1.2		dB
Return Loss		-15		dB
ESD Protection		14		KV
Impedance	50			Ohms

Mechanical Specifications:

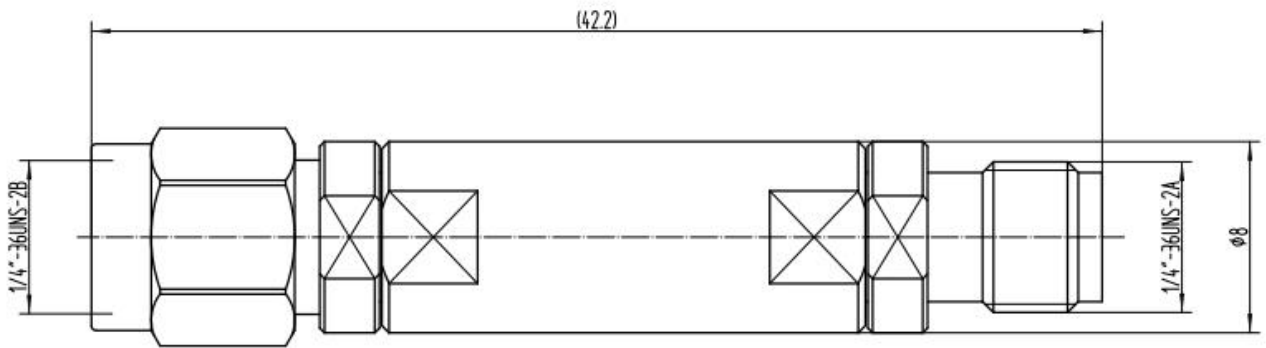
Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Male	
Length	42.2	mm

Absolute Maximum Ratings:

Parameter	Value
ESD Protection	14 KV

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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

Environmental Conditions:

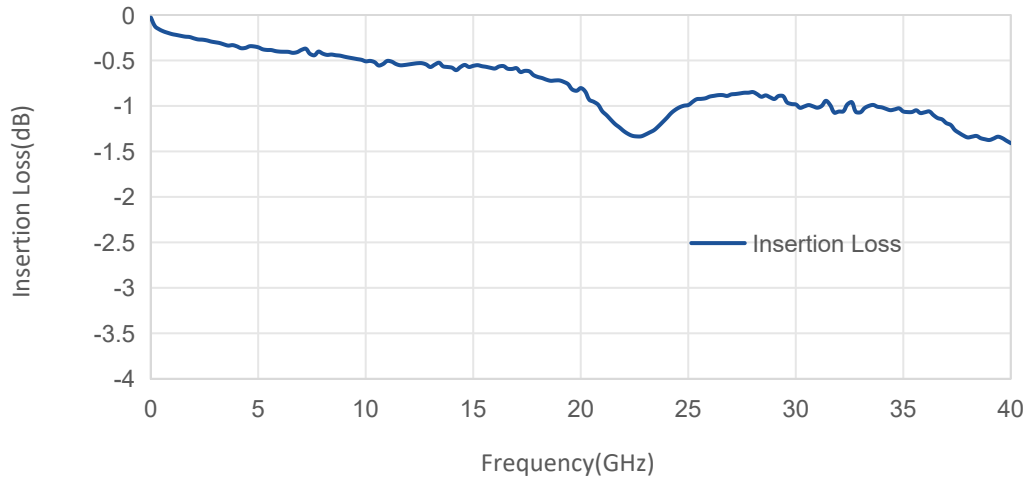
Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	10,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

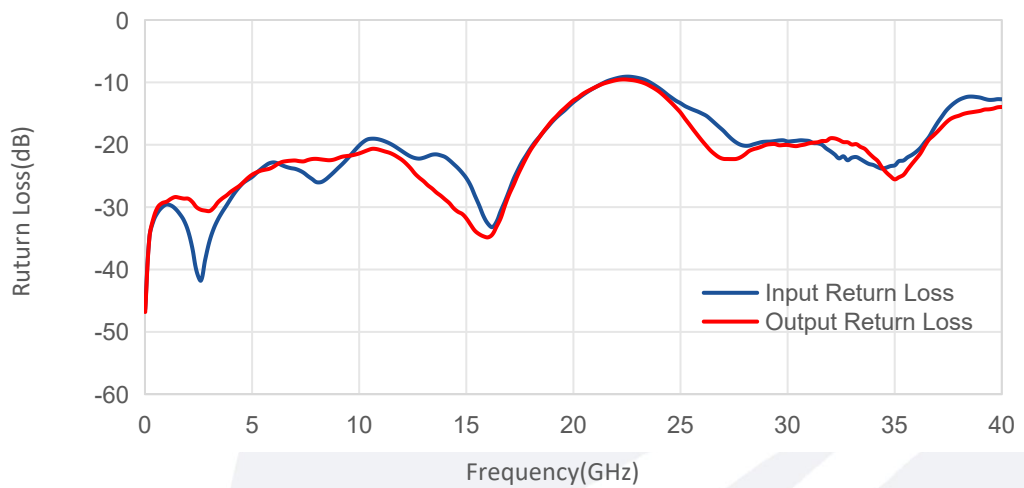
Base Number	Description	Revision
TLMTDC40G-30-ESD	Power Limiter, DC-40GHz, ESD protection: 14KV	Rev.1.0

Typical Performance Data:

Insertion Loss vs Frequency



Return Loss vs Frequency



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.