

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

电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency range	DC		40	GHz
插损 Insertion Loss		1.2		dB
回波损耗 Return Loss		-15		dB
静电防护 ESD Protection		14		KV
阻抗 Impedance		50		Ohms

机械特性 Mechanical Specifications:

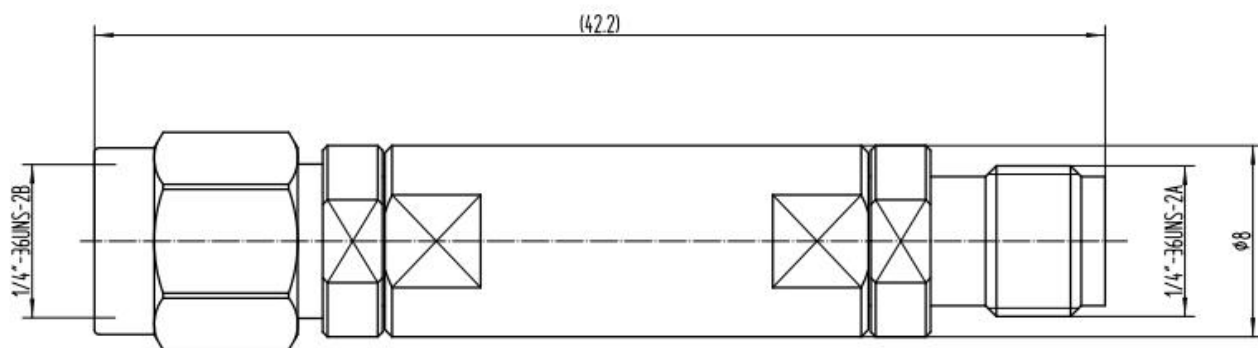
参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input /Output Connector	SMA Female/SMA Male	
长度 Length	42.2	mm

绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
静电防护 ESD Protection	14 KV

外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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

温度环境 Environmental Conditions:

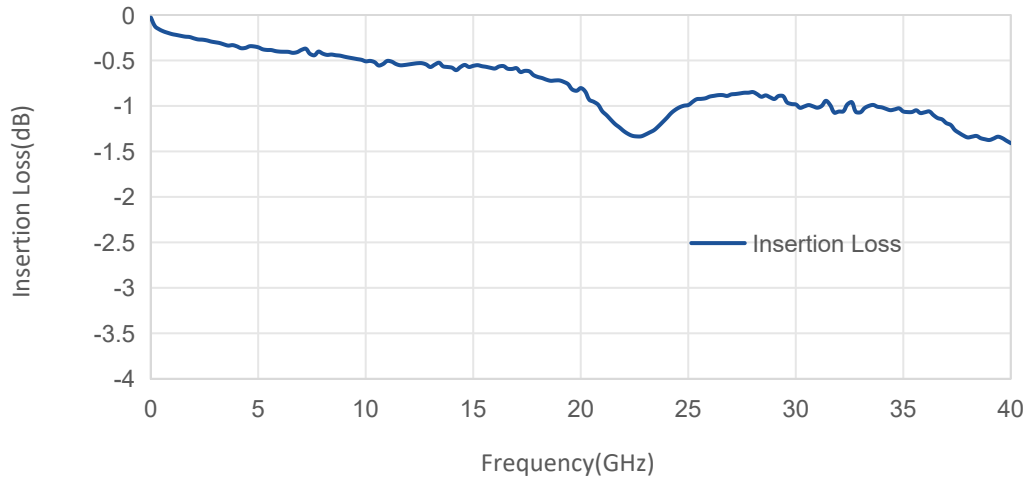
参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	10,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc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

订货信息 Ordering Information:

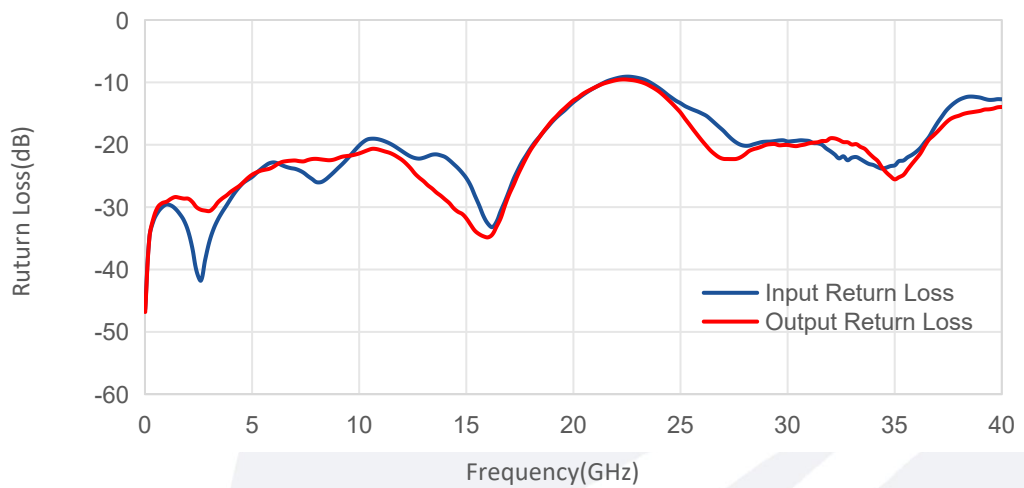
标准型号 Base Number	描述 Description	版本号 Revision
TLMTDC40G-30-ESD	Power Limiter, DC-40GHz, ESD protection: 14KV	Rev.1.0

典型曲线 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.