泰莱微波 Talent Microwave

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Coaxial Inner-Outer DC Block

10MHz-18GHz/SMA/200V

Model:TDCBSMSF-18G-IO

The TDCBSMSF-18G-IO is a SMA coaxial inner-outer DC block that prevents the flow of DC current in the frequency range of 10 MHz to 18 GHz. The DC block has a maximum insertion loss of 0.8dB, a typical Return Loss of 18dB. It is manufactured with SMA male and female connectors for convenient circuit insertion. The breakdown voltage is +200 Volts.

Features:

- Operating Frequency 10MHz to 18GHz
- High Return Loss
- Low Cost
- Both an Inner and Outer DC Block

Applications:

- laboratory test
- Instrumentations
- System Integration

电气特性 Electrical Characteristics:

参数 Parameter		Min	Typ	Max	单位 Units
频率范围 Frequency Range		10MHz		18GHz	
回波损耗 Return Loss	@0.1-14GHz		-26.4	-16.5	dB
	@14-18GHz		-18.5	-15.5	
插损 Insertion Loss			0.4	0.8	dB
击穿电压 Breakdown Voltage			200		V
阻抗 Impedance			50		Ohms

环境和机械特性 Envrionmental And Physical Characteristics:

参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temerature	-65 to +125℃	
存储温度 Storage Temperature	-65 to +125℃	
输入接口 Input Connector	SMA Female	
输出接口 Output Connector	SMA Male	
长度 Length	32.2	mm

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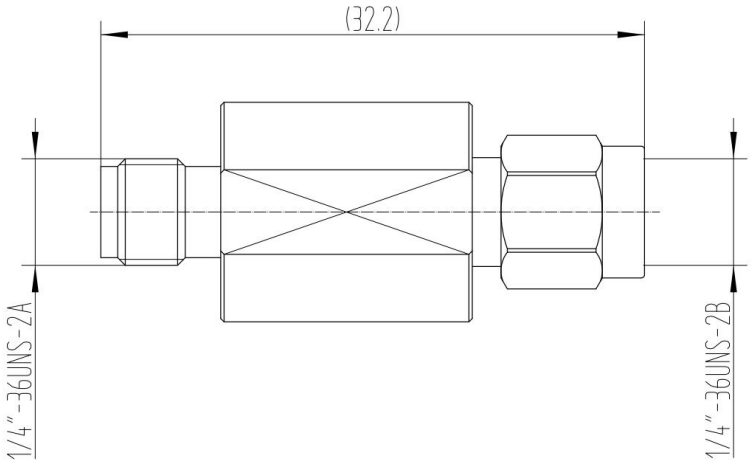
外形图 Outline Drawing:

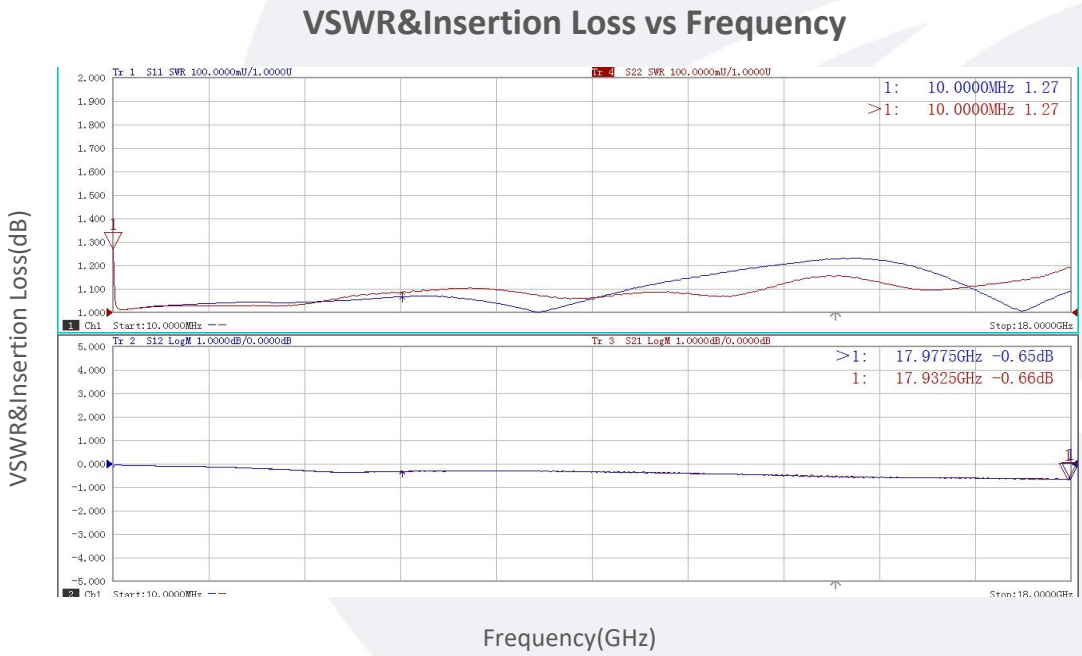
Unit:mm; Tolerance:±0.1mm



订货信息 Ordering Information:

标准型号 Base Number	描述 Description
TDCBSMSF-18G-IO	10MHz-18GHz,200V,SMA Coaxial Inner-Outer DC Block

典型曲线 Typical Performance Data:



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.