

## 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

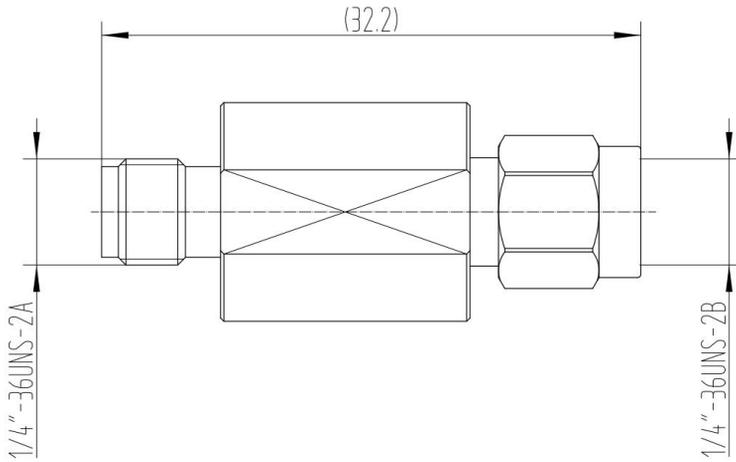
## 电气特性 Electrical Characteristics:

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 Environmental And Physical Characteristics:

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

**外形图 Outline Drawing: Unit:mm**

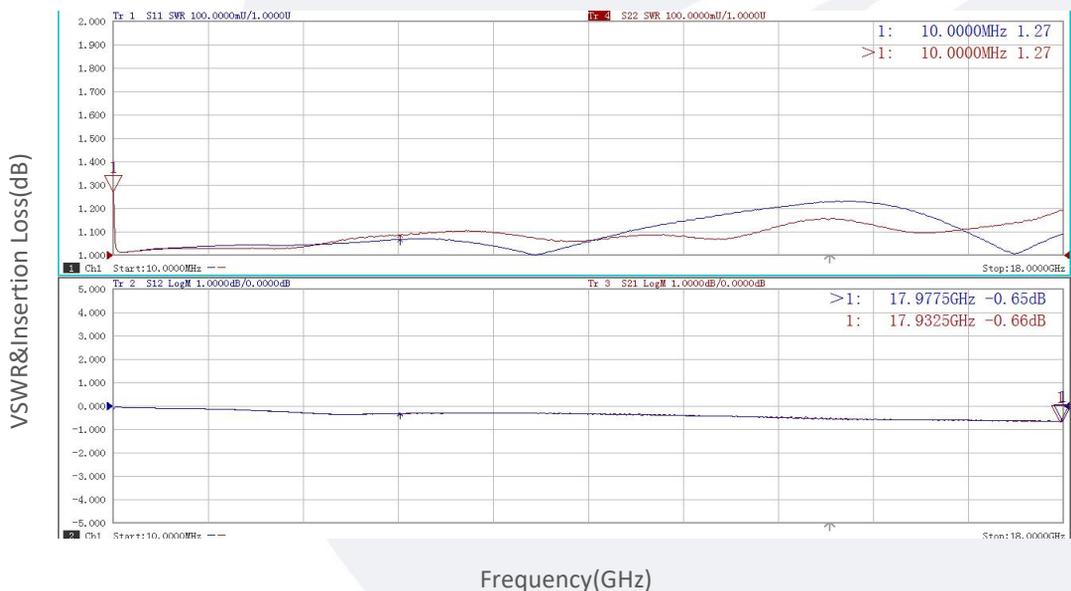


**订货信息 Ordering Information:**

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:**

**VSWR&Insertion 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.