泰莱微波 Talent Microwave

Suzhou Talent Microwave,Inc
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Coaxial DC Block

30KHz-110GHz/1.0 mm/25V Model:TDCB1M1F-3

The TDCB1M1F-3 is a 1.0mm coaxial DC block that prevents the flow of DC current in the frequency range of 30KHz to 110GHz. The DC block has a typical insertion loss of 2.5dB, a typical Return Loss of -12dB. It is manufactured with 1.0mm female/male connectors for convenient circuit insertion. The breakdown voltage is +25 Volts.

Features:

- Operating Frequency 30KHz to 110GHz
- High Return Loss
- Low Cost

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	30KHz		110GHz	
回波损耗 Return Loss		-12		dB
插损 Insertion Loss		2.5		dB
击穿电压 Breakdown Voltage		25		V
群延时 Group Delay		80		ps
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
壳体材质 Body Material	Copper	
表面处理 Finish	Gold plated	
内导体 Inner Conductor	Becu,Golden	
接口 Connectors	1.0mm Female/1.0mm Male	
长度 Length	23.2*9.5*9.5	mm
工作温度 Working Temperature	-40° to +70° C, operating	

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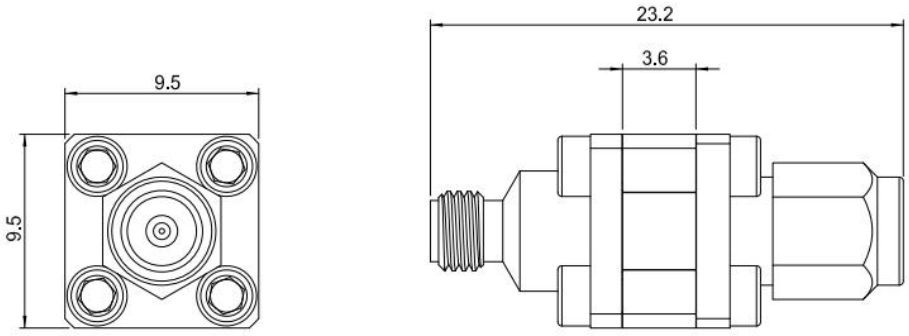
外形图 Outline Drawing:

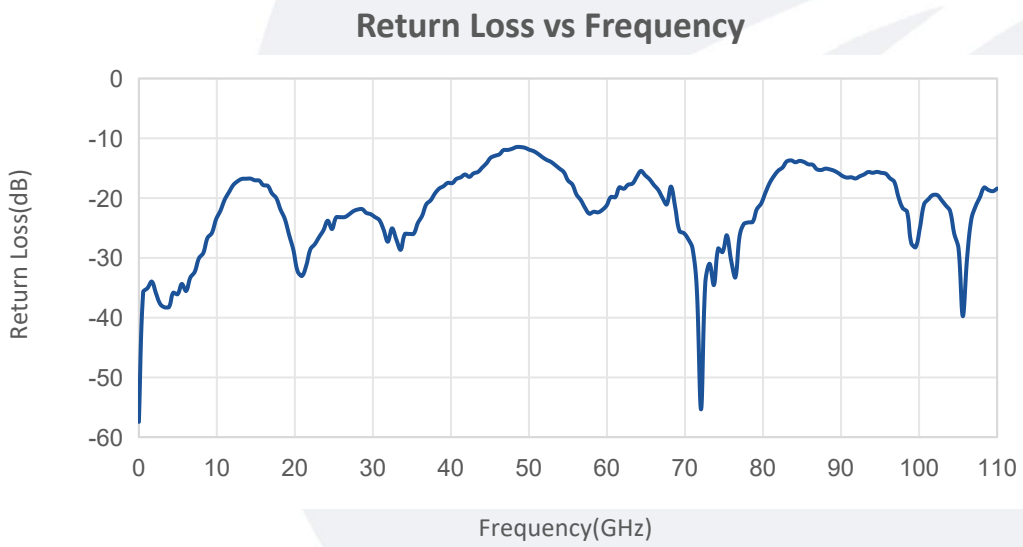
Unit:mm; Tolerance:±0.1mm



订货信息 Ordering Information:

标准型号 Base Number	描述 Description
TDCB1M1F-3	30KHz-110GHz,25V,1.0mm Coaxial 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.

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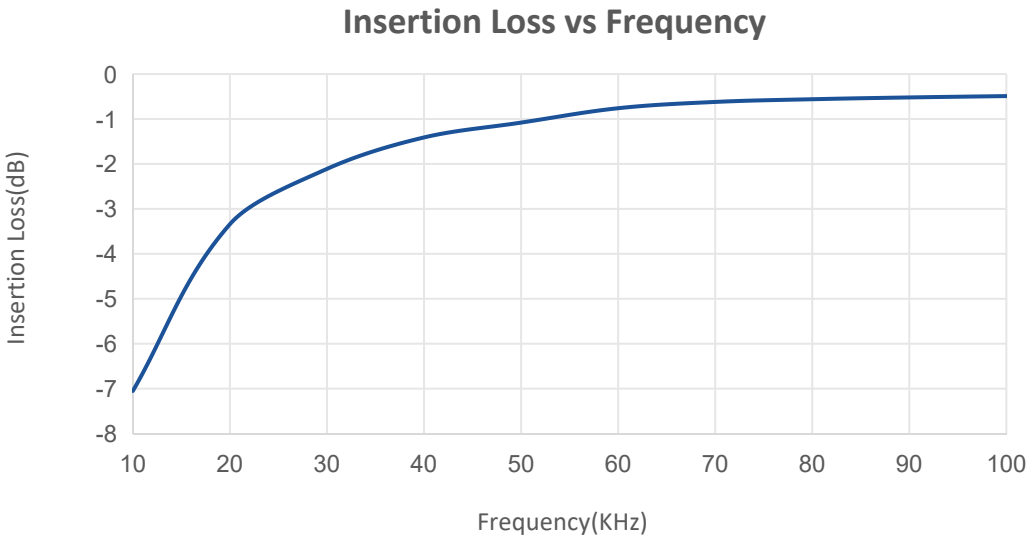

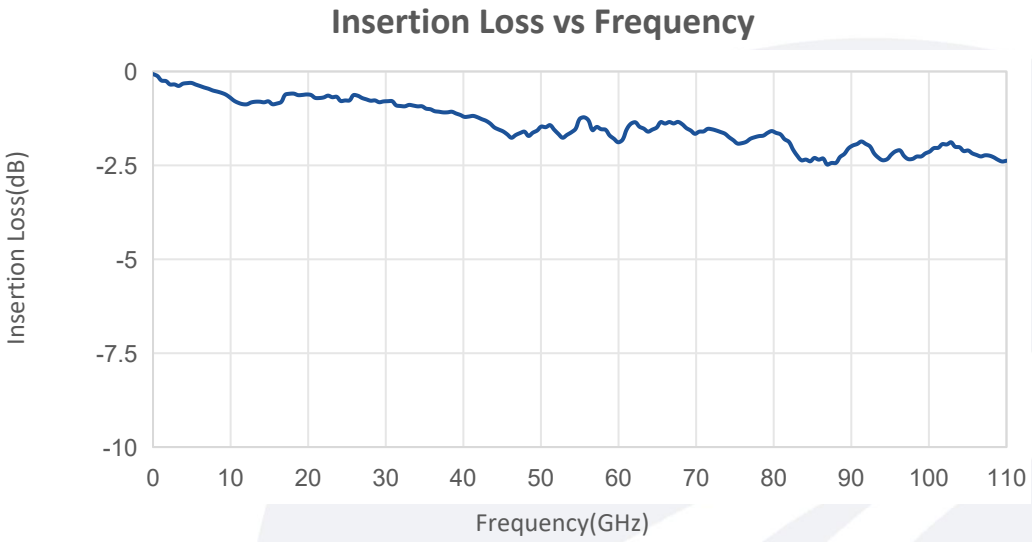

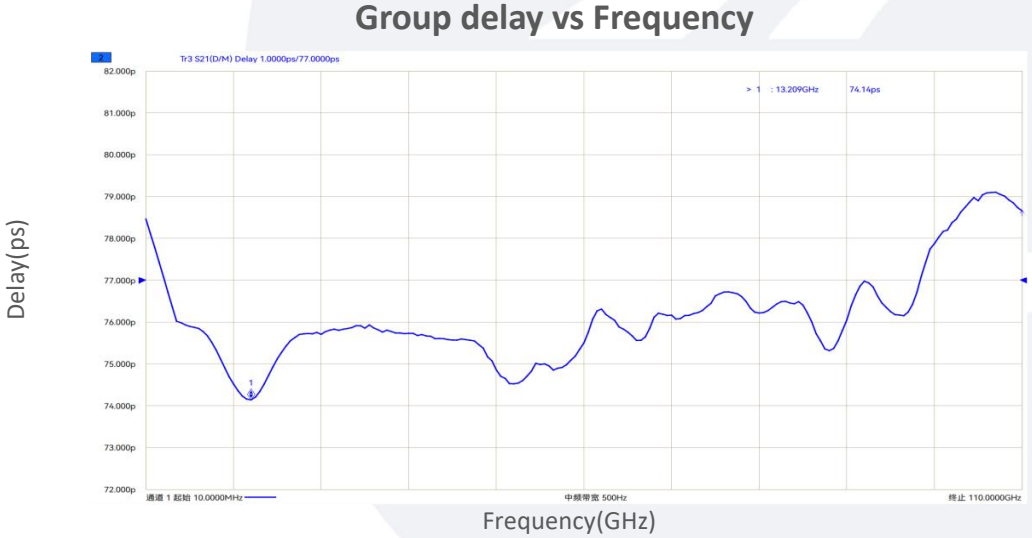

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