

Cryogenic Coaxial DC Block

10MHz-18GHz/SMA/50V

Model:TDCBSMSF-18G-NM-Cryo

The TDCBSMSF-18G-NM-Cryo is a cryogenic SMA coaxial 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 0.7dB, a max VSWR of 1.35:1. It is manufactured with SMA male and female connectors for convenient circuit insertion. The breakdown voltage is +50 Volts..

Features:

- Operating Frequency 10MHz to 18GHz
- High Return Loss
- Low Cost

Applications:

- laboratory test
- Instrumentations
- System Integration

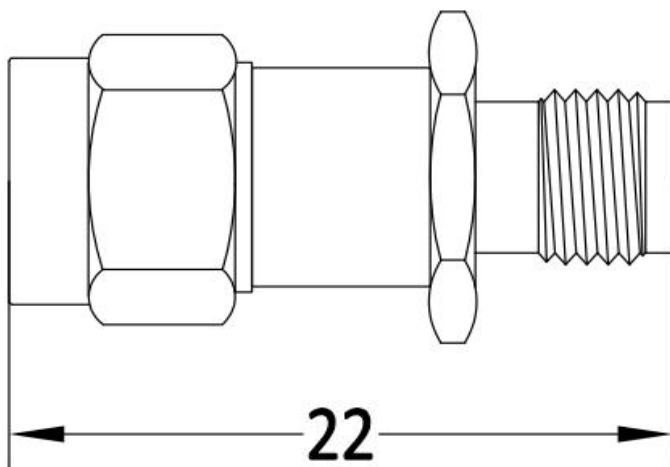
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency Range	10MHz		18GHz	
驻波 VSWR			1.35	:1
插损 Insertion Loss			0.7	dB
击穿电压 Breakdown Voltage		50		V
阻抗 Impedance		50		Ohms

环境和机械特性 Envriionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temerature	10mK to +125°C	
壳体材质 Body Material	OFHC Copper	
表面处理 Finish	Gold plated	
内导体 Inner Conductor	Becu,Golden	
接口 Connectors	SMA Male to Female	
长度 Length	22	mm

外形图 Outline Drawing: Unit:mm

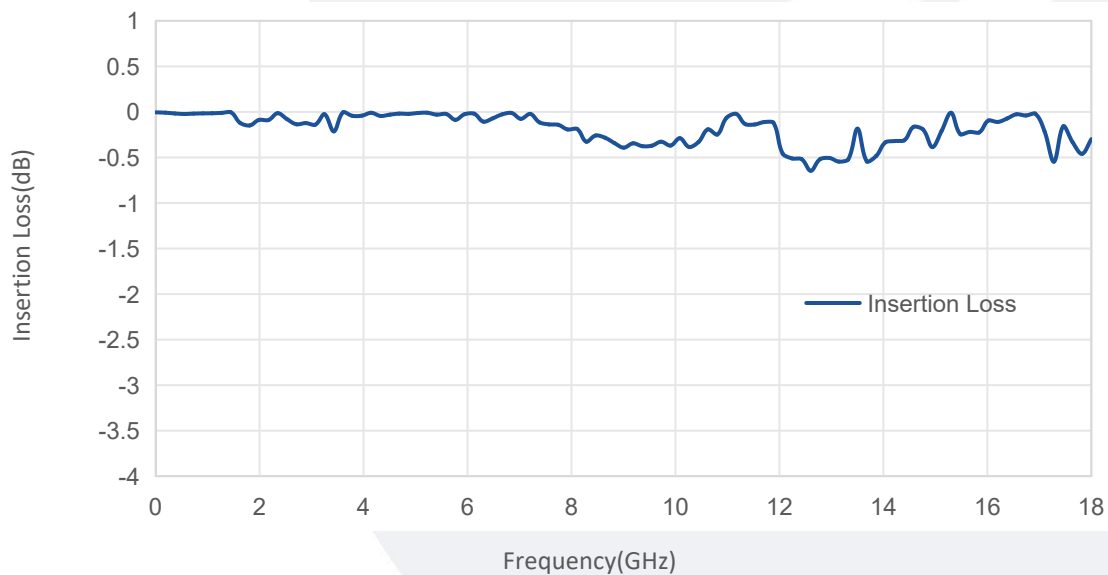


订货信息 Ordering Information:

标准型号 Base Number	描述 Description
TDCBSMSF-18G-NM-Cryo	10MHz-18GHz,50V,SMA Cryogenic Coaxial DC Block

典型曲线 Typical Performance Data(T=4K):

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.