

Coaxial Inner DC Block

5MHz-67GHz/1.85mm Female/60V

Model: TDCBVFVF

The TDCBVFVF is a 1.85mm coaxial inner DC block that prevents the flow of DC current in the frequency range of 5MHz to 67GHz. The DC block has a maximum insertion loss of 0.7dB, a maximum VSWR of 1.3:1. It is manufactured with 1.85mm female connectors for convenient circuit insertion. The breakdown voltage is +60 Volts.

Features:

- Operating Frequency 5MHz to 67GHz
- High Return Loss
- Low Cost
- Both an Inner and Outer DC Block

Applications:

- laboratory test
- Instrumentations
- System Integration

电气特性 Electrical Characteristics:

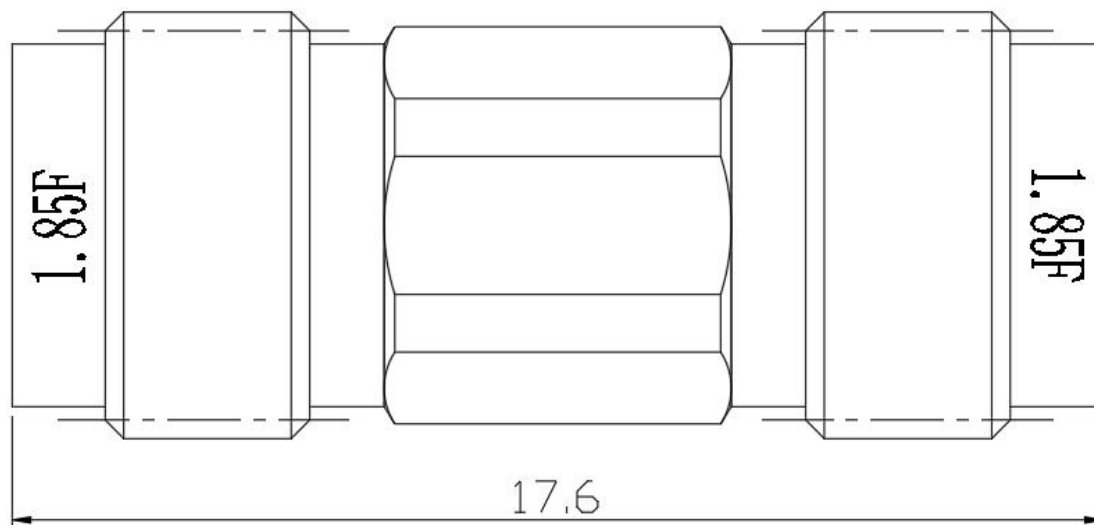
参数 Parameter		Min	Typ	Max	单位 Units
频率范围 Frequency Range		5MHz		67GHz	
驻波 VSWR	TDCBVFVF-A		1.2		:1
	TDCBVFVF-2		1.3		
	TDCBVFVF-E		1.45		
插损 Insertion Loss				0.7	dB
击穿电压 Breakdown Voltage			60		V
阻抗 Impedance			50		Ohms

环境和机械特性 Envirionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temerature	-55 to +165	°C
存储温度 Storage Temperature	-55 to +165	°C
输入接口 Input Connector	1.85mm Female	
输出接口 Output Connector	1.85mm Female	
长度 Length	17.6	mm

外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



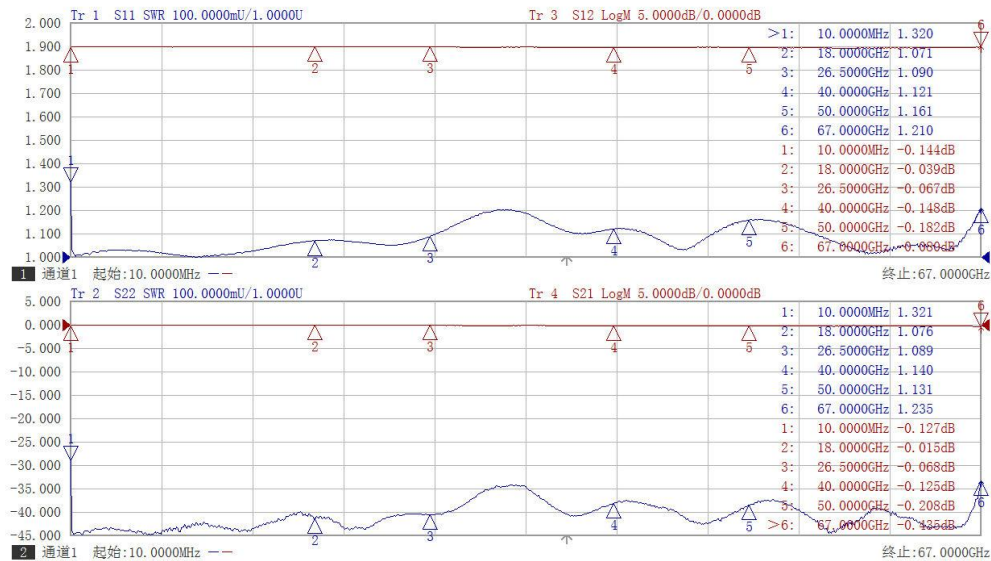
订货信息 Ordering Information:

标准型号 Base Number	描述 Description	可选 Option
TDCBVVFV-A	5MHz-67GHz, VSWR:1.2:1 Coaxial Inner DC Block	Advanced
TDCBVVFV-2	5MHz-67GHz, VSWR:1.3:1 Coaxial Inner DC Block	Normal
TDCBVVFV-E	5MHz-67GHz, VSWR:1.45:1 Coaxial Inner DC Block	Economic

典型曲线 Typical Performance Data:

TDCBVFVF-2

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.