

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

Electrical Characteristics:

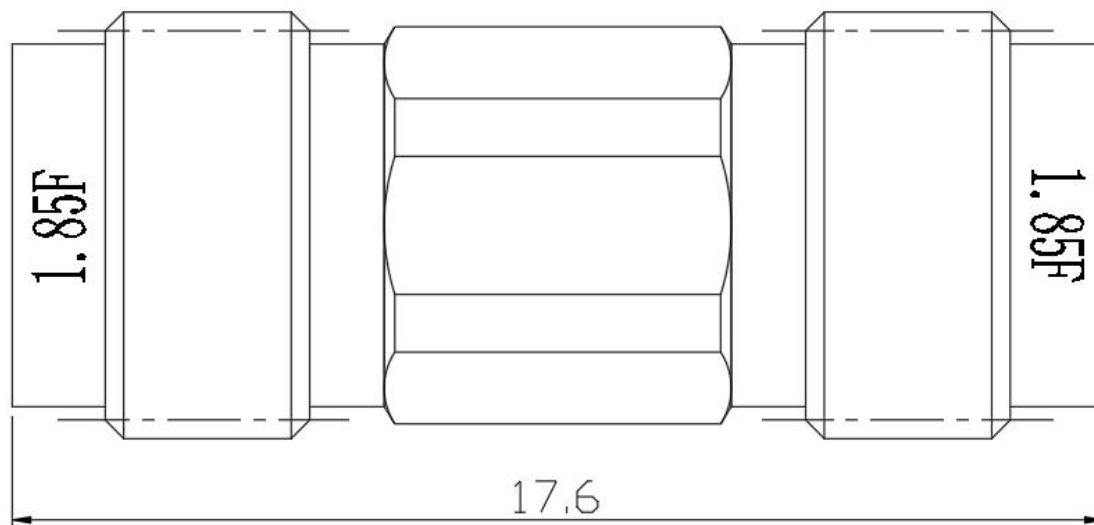
Parameter		Min	Typ	Max	Units
Frequency Range		5MHz		67GHz	
VSWR	TDCBVFVF-A		1.2		:1
	TDCBVFVF-2		1.3		
	TDCBVFVF-E		1.45		
Insertion Loss				0.7	dB
Breakdown Voltage			60		V
Impedance			50		Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-55 to +165	°C
Storage Temperature	-55 to +165	°C
Input Connector	1.85mm Female	
Output Connector	1.85mm Female	
Length	17.6	mm

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



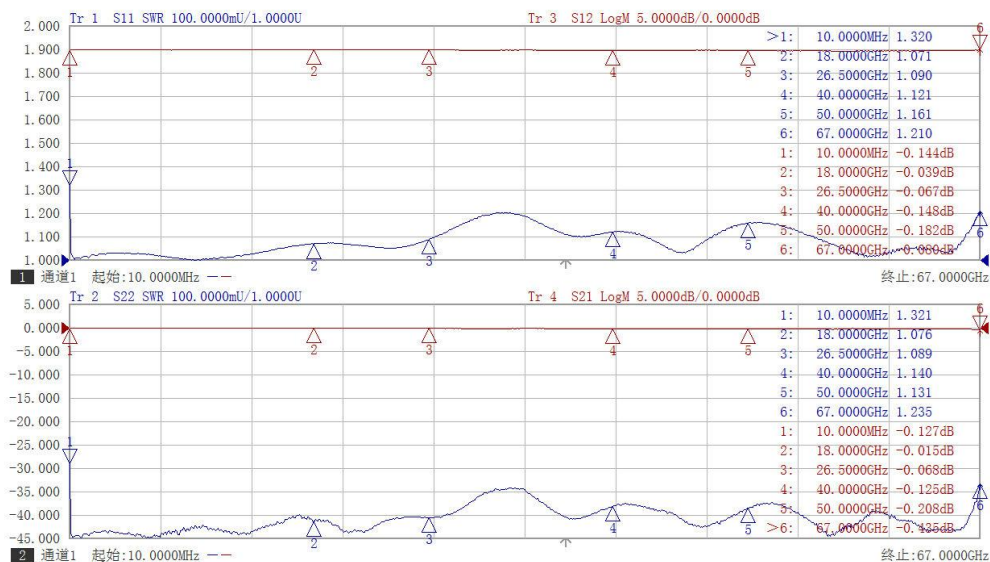
Ordering Information:

Base Number	Description	Option
TDCBVFVF-A	5MHz-67GHz, VSWR:1.2:1 Coaxial Inner DC Block	Advanced
TDCBVFVF-2	5MHz-67GHz, VSWR:1.3:1 Coaxial Inner DC Block	Normal
TDCBVFVF-E	5MHz-67GHz, VSWR:1.45:1 Coaxial Inner DC Block	Economic

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.