

1.85 mm Coaxial DC Block, 5 MHz to 67 GHz

Description:

Model SCB-050-VFVM-U7 is a coaxial DC block that prevents the flow of DC current in the frequency range of 5 MHz to 67 GHz. The DC block has a typical insertion loss of 0.5 dB, a nominal return loss of 18 dB, and a characteristic impedance of 50 ohms, respectively. It is manufactured with 1.85 mm male and female connectors for convenient circuit insertion. The breakdown voltage is +50 Volts.



Features:

- Broad Band Coverage
- High Return Loss
- Low Cost

Applications:

- Test Lab
- Instrumentations
- System Integration

Electrical Specifications:

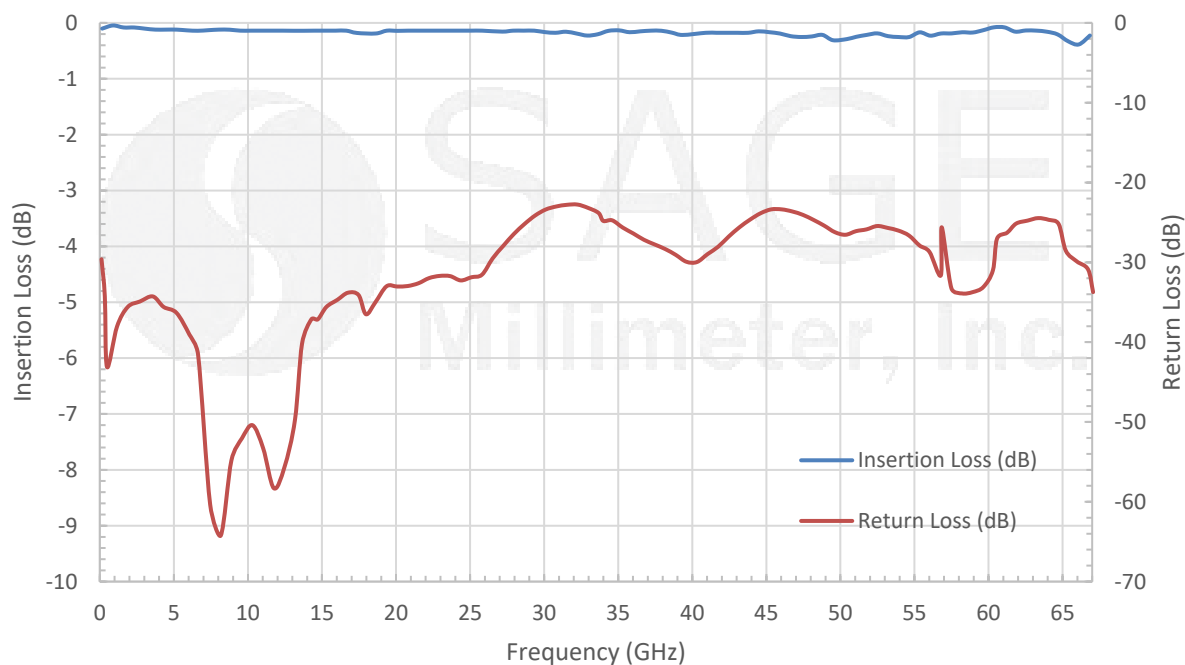
Parameter	Minimum	Typical	Maximum
Frequency	5 MHz		67 GHz
Insertion Loss		0.5 dB	0.8 dB
Return Loss	16 dB	18 dB	
Input Power			+33 dBm
Breakdown Voltage			50 V
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

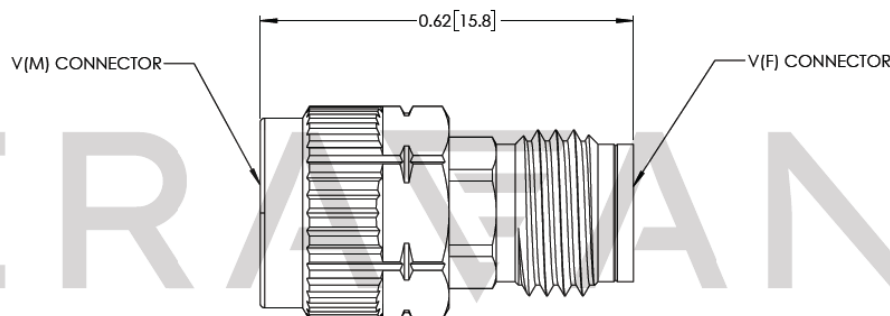
Port	Connector
Connector 1	1.85 mm Female
Output Port	1.85 mm Male
Material	Stainless Steel
Finish	Passivated
Length	0.6"
Outline	CB-V-050-SR1

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Typical Performance vs Frequency



Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])

**Note:**

- All data presented is collected from a sample lot. Actual data may vary unit to unit.
- All testing was performed under +25 °C case temperature.
- Eravant reserves the right to change the information presented without notice.

Caution:

- Proper torque, 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm), should be applied. **Eravant torque wrench, model SCH-08008-U3, is highly recommended.**