SCB-050-VFVM-U8

1.85 mm Coaxial DC Block, 10 MHz to 67 GHz

SCB-050-VFVM-U8 is a coaxial DC block that prevents the flow of DC current in the frequency range of 10 MHz to 67 GHz. The DC block has a typical insertion loss of 0.9 dB, a nominal return loss of 16 dB, and a characteristic impedance of 50 Ohms, respectively. It's manufactured with 1.85 mm (V) male and female connectors for convenient circuit insertion. The breakdown voltage is +50 Volts.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	10 MHz		67 GHz
Insertion Loss		0.9 dB	
Return Loss		16 dB	
Breakdown Voltage			50 Volts
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

Item	Specification
Connector 1	1.85 mm (V) Female
Connector 2	1.85 mm (V) Male
Body Material	Stainless Steel, Passivated
Contact Material, Female	Beryllium Copper, Gold Plated
Contact Material, Male	Brass, Gold Plated
Insulator Material	PEI
Weight	0.1 Oz
Length	0.64"
Outline	CB-V-050-3

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FEATURES

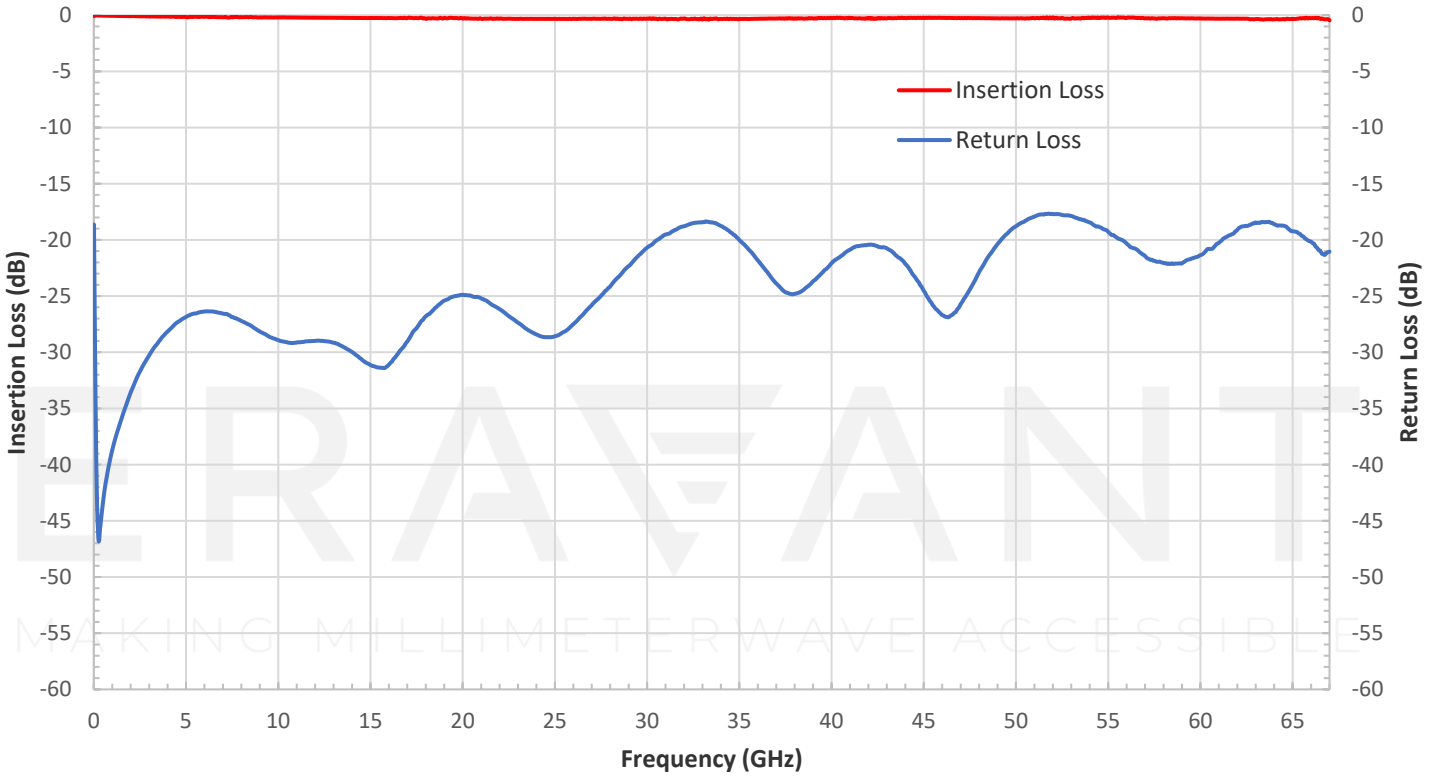
- Broad Band Coverage
- High Return Loss
- Low Cost

APPLICATIONS

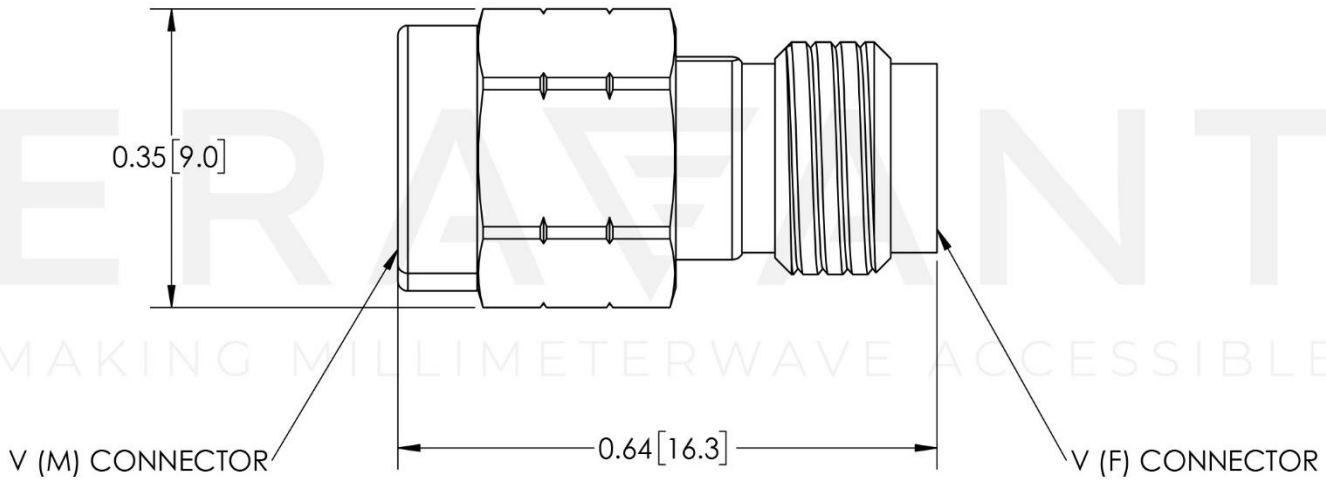
- Test Lab
- Instrumentations
- System Integration

SUPPLEMENTAL DETAILS

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 slightly from unit to unit.
- All testing is performed under +25 °C case temperature.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- Exceeding absolute maximum ratings shown will damage the device.
- Proper torque should be applied: 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm). Torque wrench model SCH-08008-S1 is highly recommended.

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