



3.5 mm Coaxial DC Block, 45 MHz to 26.5 GHz

Description:

Model SCB-050-3F3M-U2 is a 3.5 mm coaxial DC block that prevents the flow of DC current in the frequency range of 45 MHz to 26.5 GHz. The DC block has a typical insertion loss of 1 dB, a nominal return loss of 17 dB, and a characteristic impedance of 50 ohms, respectively. It is manufactured with 3.5 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:

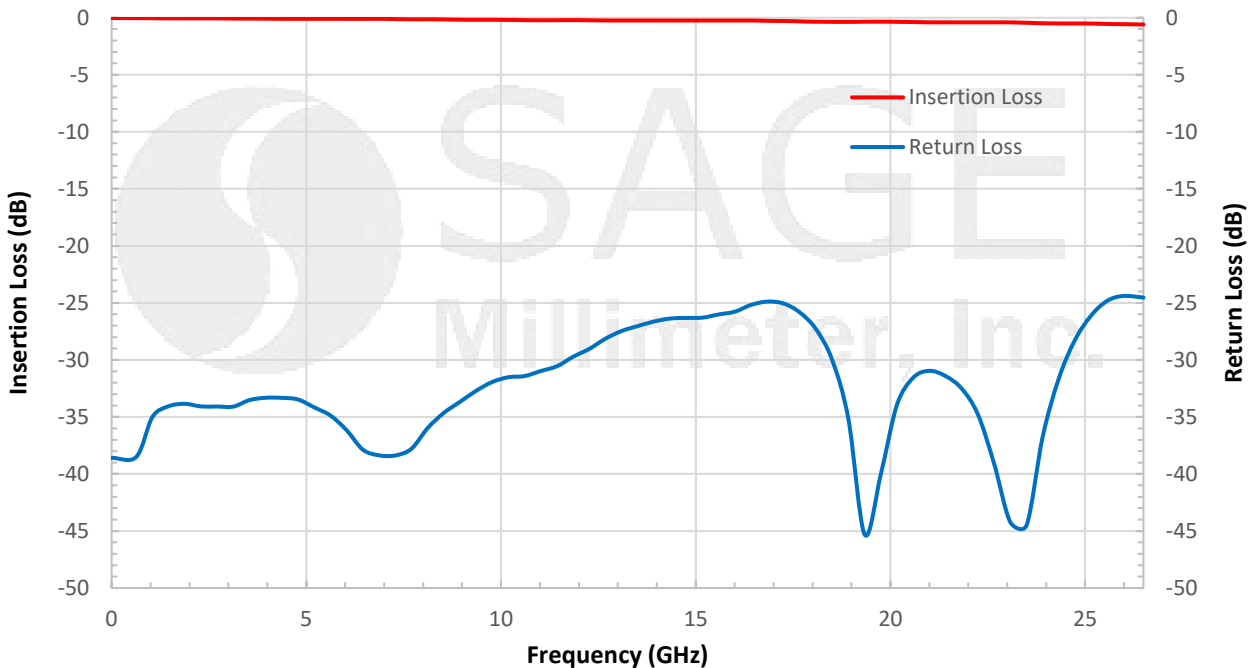
Parameter	Minimum	Typical	Maximum
Frequency	45 MHz		26.5 GHz
Insertion Loss		1 dB	
Return Loss		17 dB	
Breakdown Voltage			50 Volts
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

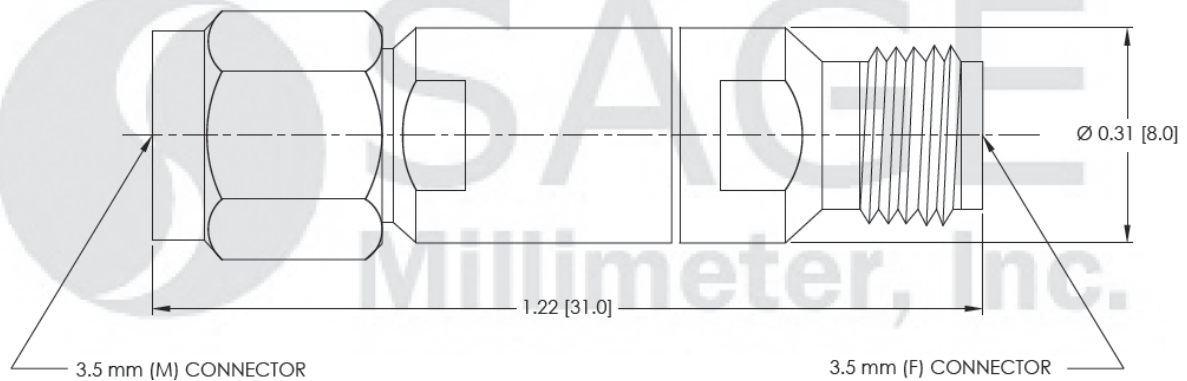
Port	Connector
Connector 1	3.5 mm Female
Connector 2	3.5 mm Male
Material	Stainless Steel
Finish	Passivated
Length	1.22"
Outline	CB-3-050-CE1

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Typical Insertion Loss & Return Loss 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.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

- Proper torque, 8.0 ± 0.15 inch-pounds (0.92 ± 0.05 Nm), should be applied. **SAGE Millimeter torque wrench, model SCH-08008-U3, is highly recommended.**

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