



SMA Coaxial DC Block, 5 MHz to 18 GHz

Description:

Model SCB-050-SFSM-U7 is a super SMA coaxial DC block to operate in the frequency range of 5MHz to 18 GHz. The typical insertion loss of the coaxial DC block is 0.8 dB and the DC block has a typical return loss of 20 dB and a characteristic impedance of 50 Ohms, respectively. It is manufactured with super SMA 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		26.5 GHz
Insertion Loss		0.8 dB	
Return Loss @ DC to 18 GHz		20 dB	
Breakdown Voltage			50 V
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

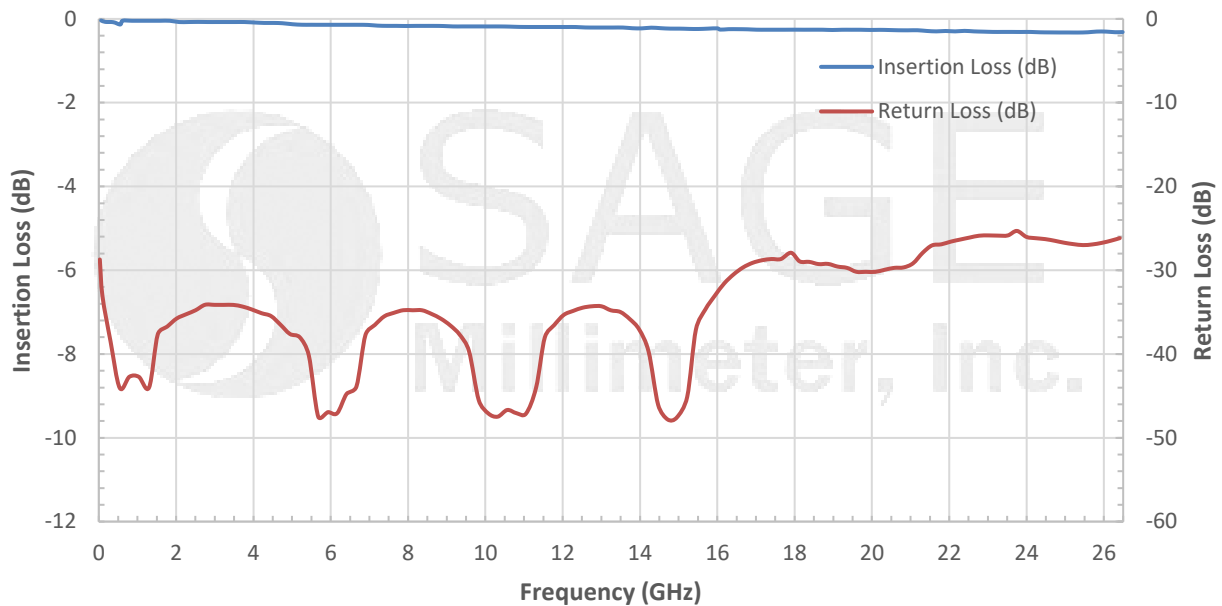
Item	Specification
Connector 1	SMA Female
Connector 2	SMA Male
Body Material	Stainless Steel
Connector Material	Beryllium Copper
Connector Finish	Gold Plated
Length	1.18"
Outline	CB-S-050-QW1



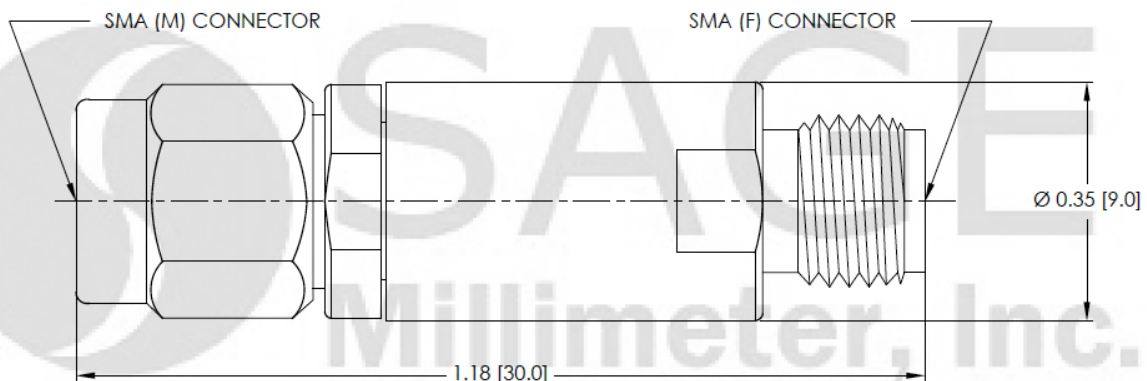


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Typical Performance vs. Frequency



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:

- Exceeding absolute maximum ratings shown will damage the device.
- 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.**



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