SCB-050-SFSM-U7

Rev 1.0

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 5 MHz to 18 GHz. The typical insertion loss of the coaxial DC block is 0.7 dB and the DC block has a typical return loss of 21 dB and a characteristic impedence 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		18 GHz
Insertion Loss		0.7 dB	0.9 dB
Return Loss @ DC to 18 GHz	19 dB	21 dB	
Input Power			+33 dBm
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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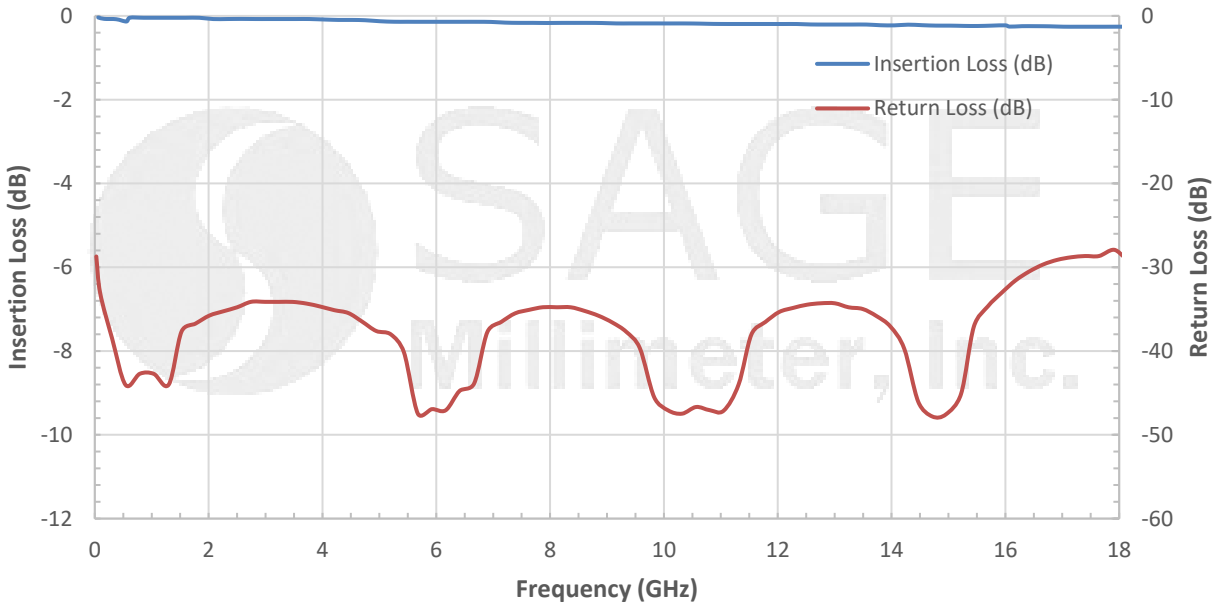
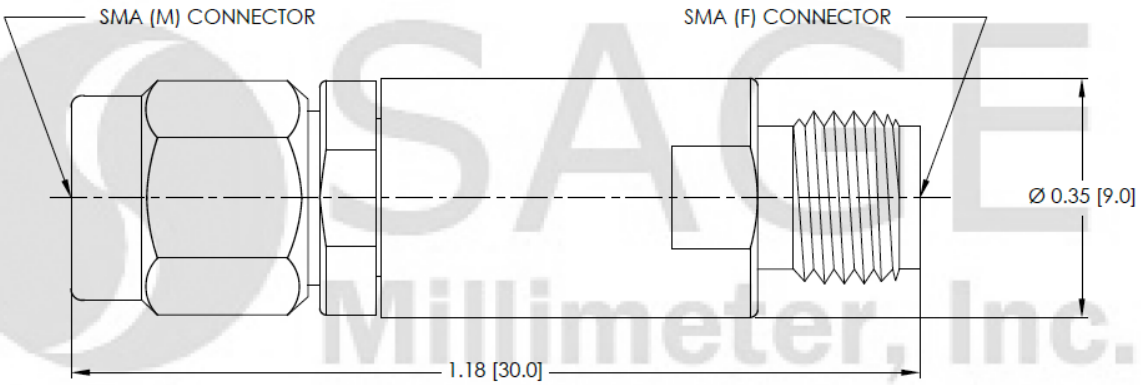
Typical Performance vs. Frequency



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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