SCB-050-2F2M-U2

Rev. 1.1

2.4 mm Coaxial DC Block, 10 MHz to 50 GHz

Description:



Model SCB-050-2M2F-U2 is a 2.4 mm coaxial DC block that prevents the flow of DC current in the frequency range of 10 MHz to 50 GHz. The DC block has a typical insertion loss of 1 dB, a nominal return loss of 15 dB, and a characteristic impedance of 50 ohms, respectively. It is manufactured with 2.4 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	10 MHz		50 GHz
Insertion Loss		1 dB	
Return Loss		15 dB	
Breakdown Voltage			50 Volts
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

Port	Connector
Connector 1	2.4 mm Female
Connector 2	2.4 mm Male
Material	Stainless Steel
Finish	Passivated
Length	1.05”
Outline	CB-2-050-CE1

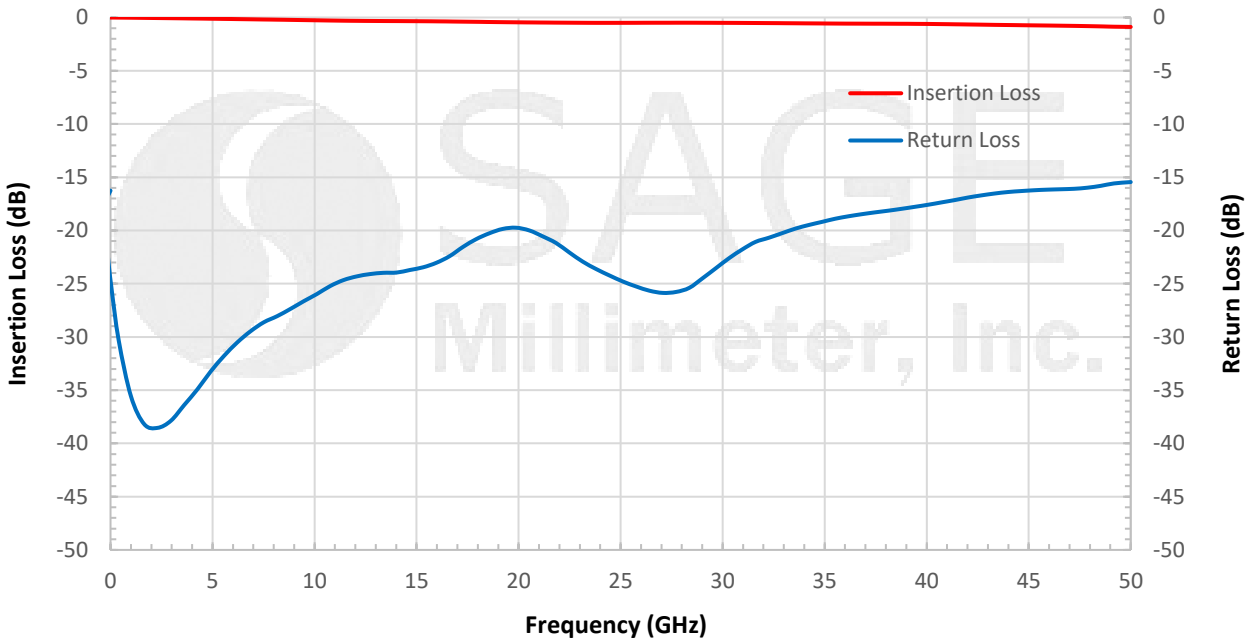
www.sagemillimeter.com | 3043 Kashiwa Street, Torrance, CA 90505
Phone: 424-757-0168 | Fax: 424-757-0188 | Email: sales@sagemillimeter.com

Copyright © 2018 by SAGE Millimeter, Inc.

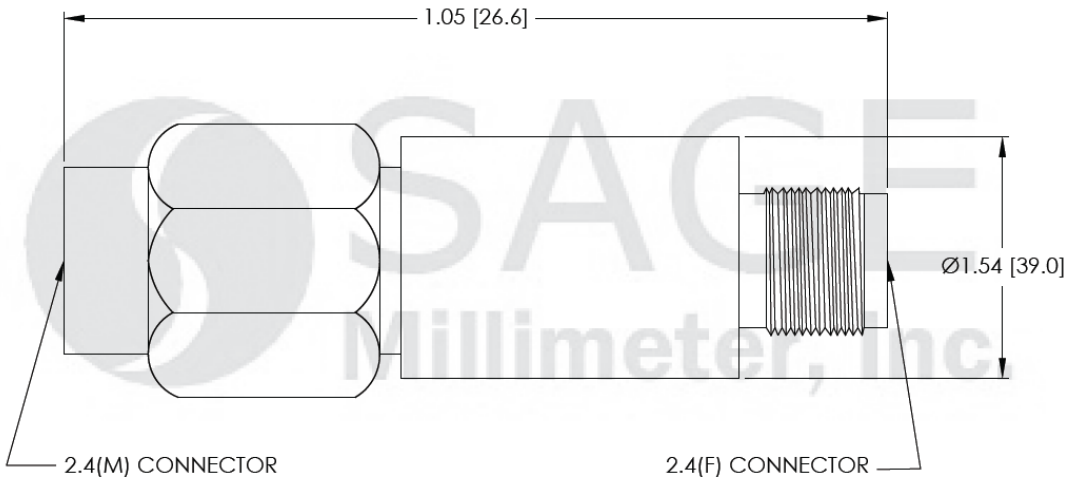
SAGE Millimeter, Inc.

2.4 mm Coaxial DC Block, 10 MHz to 50 GHz

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.
- 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.**

www.sagemillimeter.com | 3043 Kashiwa Street, Torrance, CA 90505
Phone: 424-757-0168 | Fax: 424-757-0188 | Email: sales@sagemillimeter.com

Copyright © 2018 by SAGE Millimeter, Inc.

SAGE Millimeter, Inc.