SCB-016-1F1M-U2

1.0 mm Iner Coaxial DC Block, 10 MHz to 110 GHz

SCB-016-1F1M-U2 is a coaxial DC block that prevents the flow of DC current in the frequency range of 10 MHz to 110 GHz. The DC block has a typical insertion loss of 2.0 dB, a nominal return loss of 10 dB, and a characteristic impedance of 50 Ohms, respectively. It's manufactured with 1.0 mm male and female connectors for convenient circuit insertion. The breakdown voltage is +16 Volts.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	10 MHz		110 GHz
Insertion Loss		2.0 dB	
Return Loss		10 dB	
Breakdown Voltage			16 Volts
Power Handling			1 W (CW)
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

Item	Specification
Connector 1	1.0 mm Female
Connector 2	1.0 mm Male
Body Material	Brass, Gold Plated
Contact Material	Beryllium Copper, Gold Plated
Length	0.28", excluding connectors
Outline	CB-1-016-CE1

ECCN

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FEATURES

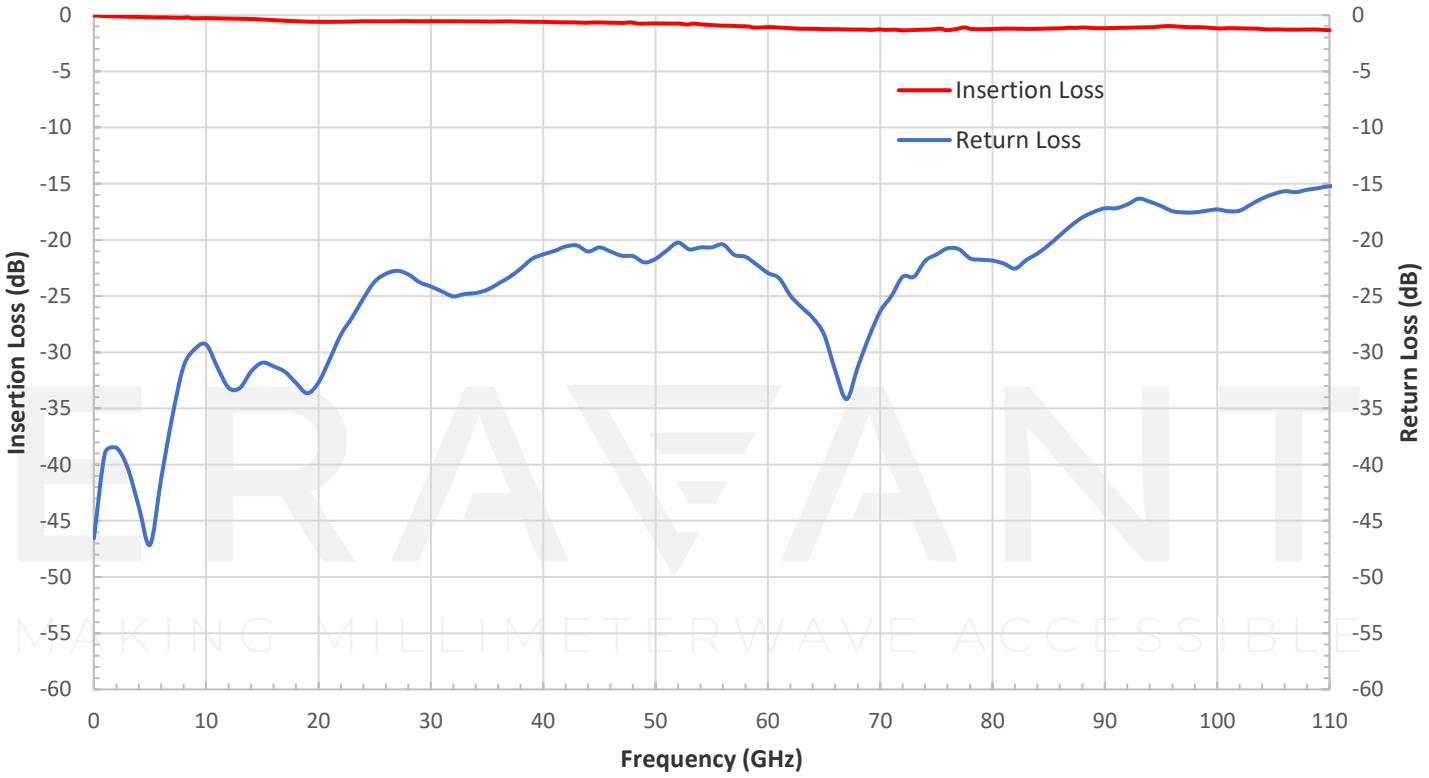
- Broad Band Coverage
- Low Insertion Loss
- High Return Loss

APPLICATIONS

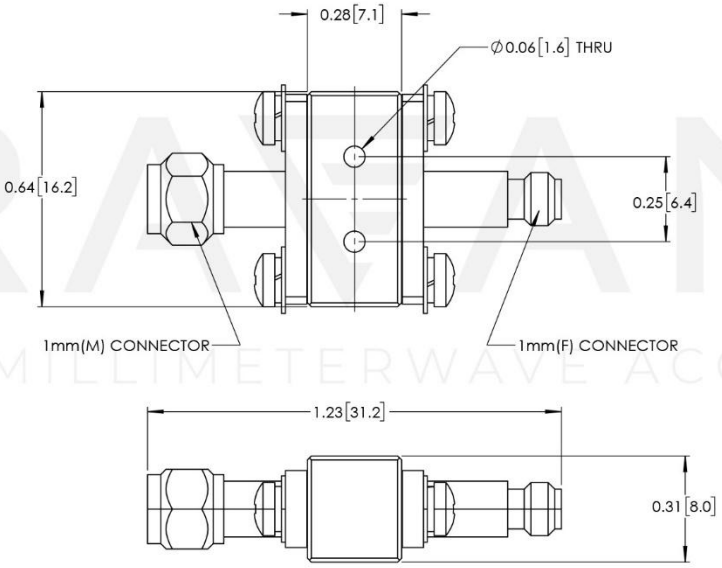
- Test Lab
- Instrumentations
- System Integration

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: 4.0 ± 0.15 inch-pounds (0.45 ± 0.02 Nm). Torque wrench model SCH-06004-S1 is highly recommended.

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