# SCB-016-VFVM-U2

Rev. 1.1

## 1.85 mm Inner Coaxial DC Block, 10 MHz to 67 GHz

### Description:

**Model SCB-016-VFVM-U2** is a coaxial DC block that prevents the flow of DC current in the frequency range of 10 MHz to 67 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 1.85 mm male and female connectors for convenient circuit insertion. The breakdown voltage is +16 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 | | 67 GHz |
| Insertion Loss | | 1 dB | |
| Return Loss | | 15 dB | |
| Breakdown Voltage | | 16 V | |
| Impedance | | 50 Ω | |
| Specification Temperature | | +25 °C | |
| Operating Temperature | -40 °C | | +85 °C |

### Mechanical Specifications:

| Port | Connector |
|---|---|
| Connector 1 | 1.85 mm Female |
| Connector 2 | 1.85 mm Male |
| Material | Stainless Steel |
| Finish | Passivated |
| Length | 0.95” |
| Outline | CB-V-016-CE1 |

www.sagemillimeter.com | 3043 Kashiwa Street, Torrance, CA 90505
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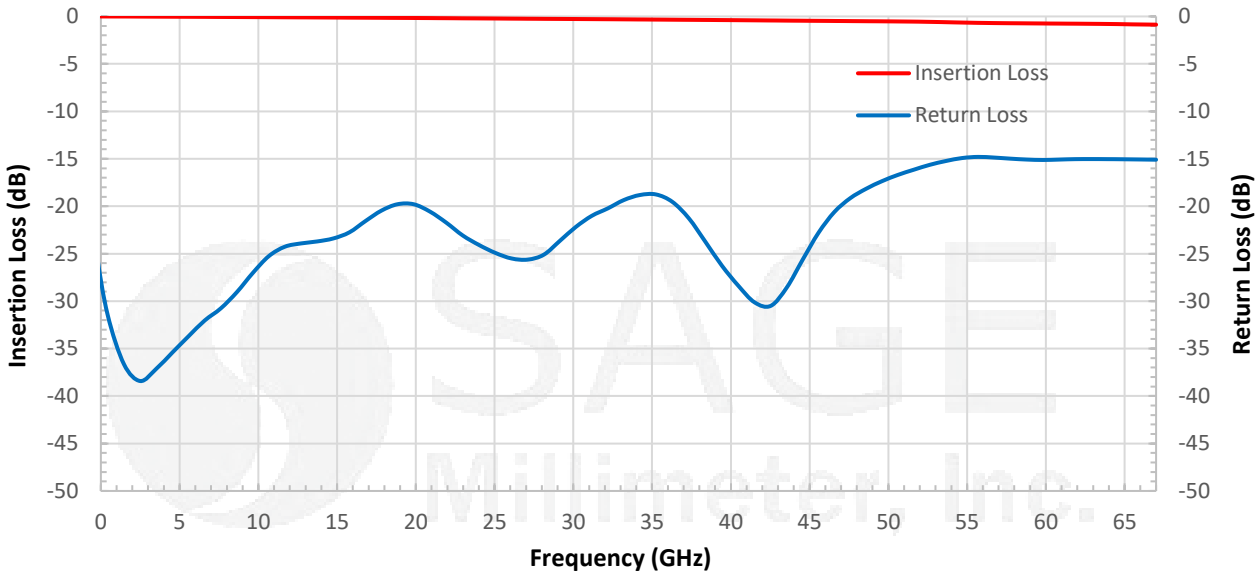
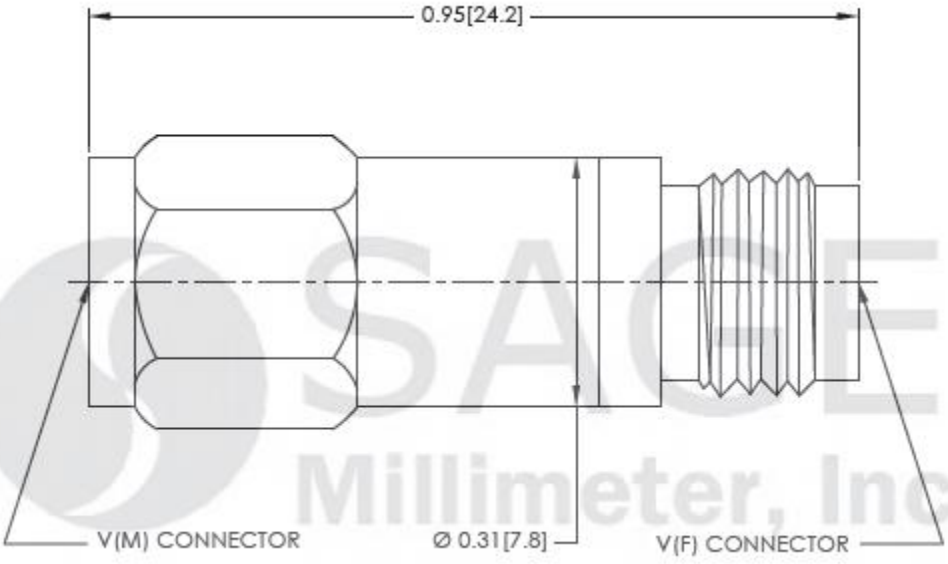
### Typical Performance vs. Frequency




**Mechanical Outline:** (Unless otherwise specified, all dimensions are in inches [millimeters])




**Note:**

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

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