

SCF-36302270-KFKF-B3

Coaxial Bandpass Filter, 35.4 to 35.6 GHz, 70 dB Rejection

SCF-36302270-KFKF-B3 is a coaxial bandpass filter with a passband frequency of 35.4 to 35.6 GHz. The typical insertion loss of the bandpass filter is 4 dB and the passband ripple is ± 0.3 dB. The rejection frequencies are from DC to 34.8 GHz and 36.3 GHz or higher. The typical rejection is 70 dB and the typical passband return loss of the filter is 14 dB. The RF connectors of the filter are 2.92 mm (K) female connectors. Other configurations are available under different model numbers.



Electrical Specifications:

| Parameter | Minimum | Typical | Maximum |
|--------------------------------|----------|--------------|----------|
| Passband Frequency | 35.4 GHz | | 35.6 GHz |
| Passband Insertion Loss | | 4 dB | |
| Passband Ripple | | ± 0.3 dB | |
| Rejection Frequency, Low Side | DC | | 34.8 GHz |
| Rejection, Low Side | | 70 dB | |
| Rejection Frequency, High Side | 36.3 GHz | | |
| Rejection, High Side | | 70 dB | |
| Passband Return Loss | | 14 dB | |
| Impedance | | 50 Ω | |
| Power Handling | | | 2 W (CW) |
| Specification Temperature | | +25 °C | |
| Operating Temperature | -40 °C | | +85 °C |

Mechanical Specifications:

| Item | Specification |
|------------|-----------------------------------|
| RF Port 1 | 2.92 mm (K) Female |
| RF Port 2 | 2.92 mm (K) Female |
| Material | Aluminum |
| Finish | Black Paint |
| Dimensions | 2.31" (L) x 0.71" (W) x 0.26" (H) |
| Outline | CF-BA-LJ5 |

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FEATURES

- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

APPLICATIONS

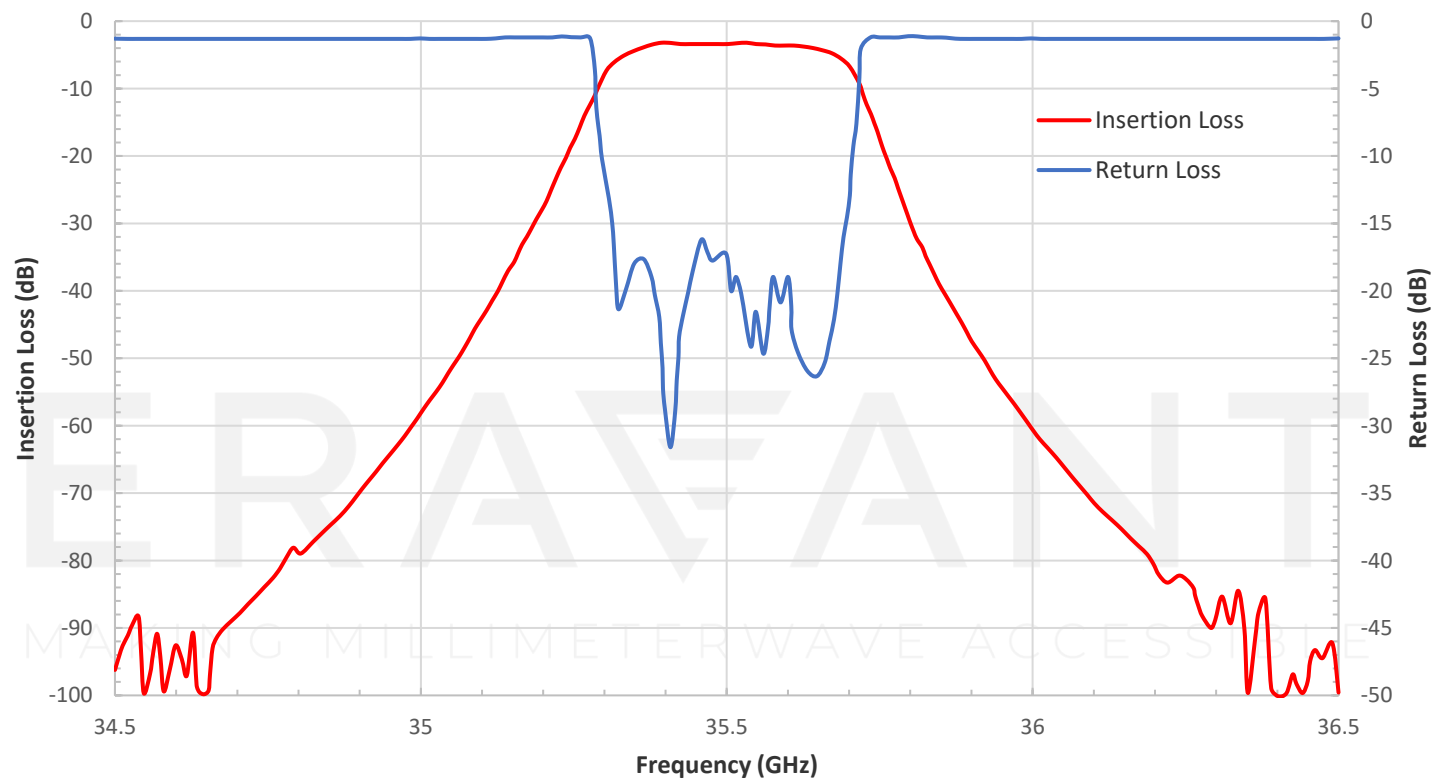
- Instrumentations
- Sub-assemblies
- System Integrations

SUPPLEMENTAL DETAILS

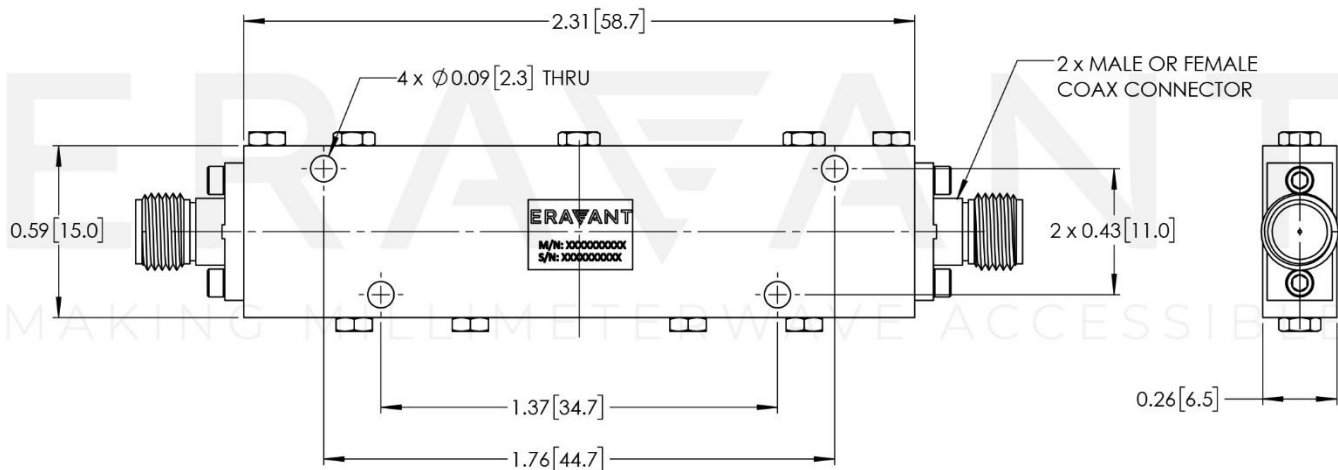


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Typical Performance vs. Frequency



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 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: 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm). Torque wrench model SCH-08008-S1 is highly recommended.

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