

**Isolator SMA Female With 12 dB Isolation From  
6 GHz to 18 GHz Rated to 10 Watts**

**Electrical Specifications**

| Description         | Min | Typ | Max   | Units |
|---------------------|-----|-----|-------|-------|
| Frequency Range     | 6   |     | 18    | GHz   |
| Impedance           |     | 50  |       | Ohms  |
| Insertion Loss      |     |     | 2     | dB    |
| Isolation           | 12  |     |       | dB    |
| VSWR                |     |     | 1.5:1 |       |
| Forward Power, CW   |     |     | 10    | Watts |
| Forward Power, Peak |     |     | 20    | Watts |
| Reverse Power, CW   |     |     | 2     | Watts |

**Mechanical Specifications**

**Size**

|        |                     |
|--------|---------------------|
| Length | 1.25 in [31.75 mm]  |
| Width  | 0.73 in [18.54 mm]  |
| Height | 0.38 in [9.65 mm]   |
| Weight | 0.025 lbs [11.34 g] |

**Configuration**

|             |                 |
|-------------|-----------------|
| Design      | Single Junction |
| Connector 1 | SMA Female      |
| Connector 2 | SMA Female      |

**Environmental Specifications**

**Temperature**

|                 |                 |
|-----------------|-----------------|
| Operating Range | +0 to +85 deg C |
|-----------------|-----------------|

**Compliance Certifications** (see [product page](#) for current document)

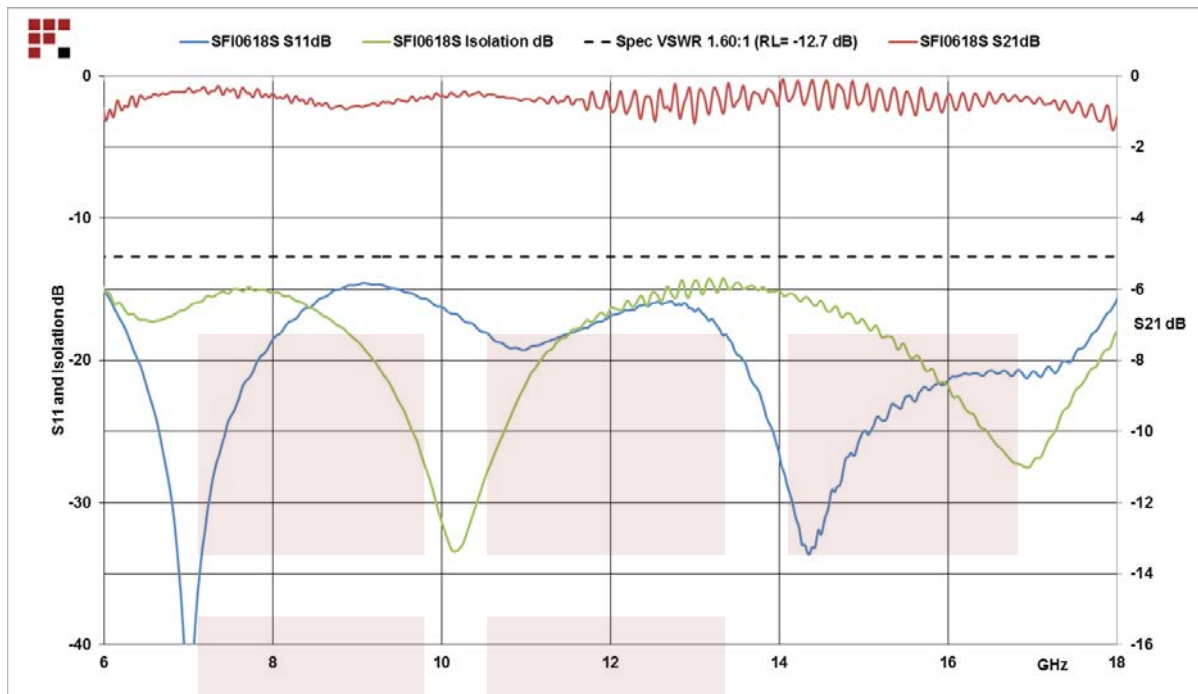
**Plotted and Other Data**

Notes:



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### Typical Performance Data

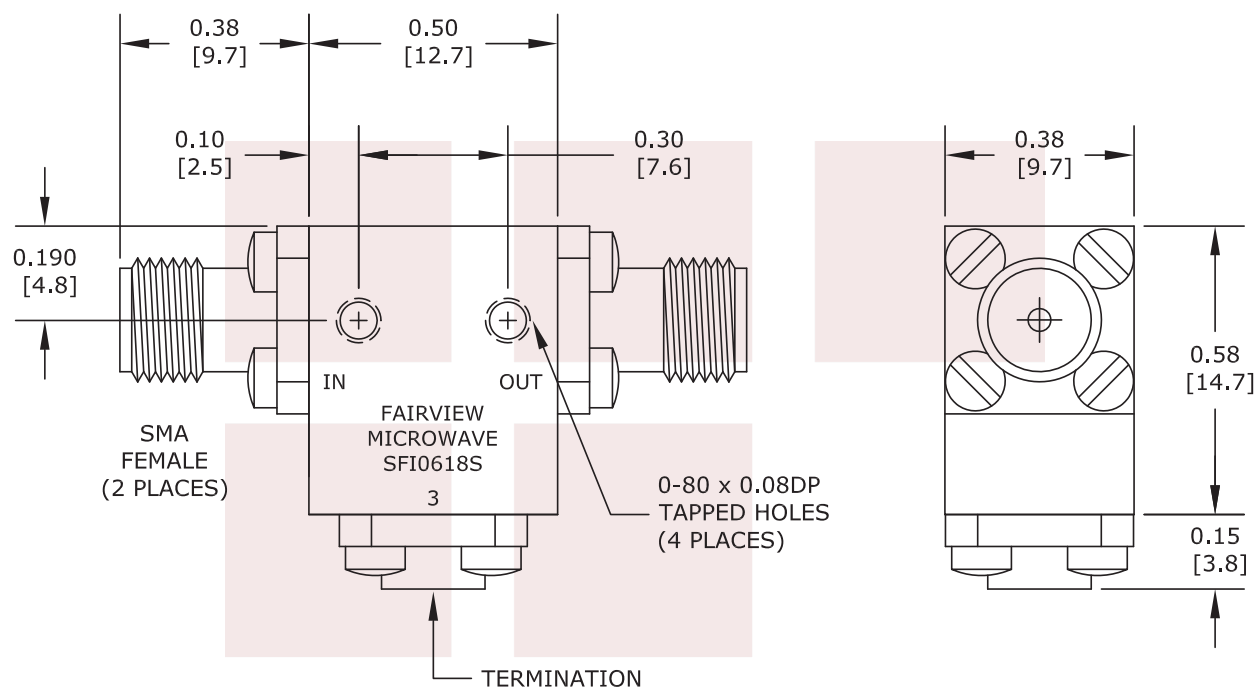


Isolator SMA Female With 12 dB Isolation From 6 GHz to 18 GHz Rated to 10 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Isolator SMA Female With 12 dB Isolation From 6 GHz to 18 GHz Rated to 10 Watts SFI0618S](https://www.fairviewmicrowave.com/isolator-sma-female-12db-isolation-18-ghz-10-watts-sfi0618s-p.aspx)

URL: <https://www.fairviewmicrowave.com/isolator-sma-female-12db-isolation-18-ghz-10-watts-sfi0618s-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



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NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

TITLE  
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|          |          |           |           |
|----------|----------|-----------|-----------|
| DWG NO   | SFI0618S | CAGE CODE | 3FKR5     |
| CAD FILE | 100814   | SHEET     | SCALE N/A |
|          |          | SIZE A    | 2233      |