

## Ruggedized 2.4mm NMD Female to SMA Female Adapter

2.4mm NMD female to SMA female adapter part number SM9234 from Fairview Microwave is in-stock and ships same day. This Fairview 2.4mm NMD to SMA adapter has a female to female gender configuration in a ruggedized design. SM9234 2.4mm NMD female to SMA female adapter operates to 27 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum.

RF adapters can be used to enable connections between two connector types that would otherwise not mate. Certain RF adapter configurations can also be used to protect connectors on expensive equipment where the number of connect and disconnect cycles is high. An RF, microwave, or millimeter wave adapter is connected to the equipment and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Fairview Microwave also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

### Electrical Specifications

| Description     | Min | Typ | Max   | Units |
|-----------------|-----|-----|-------|-------|
| Frequency Range | DC  |     | 27    | GHz   |
| VSWR            |     |     | 1.2:1 |       |

### Specifications by Frequency

| Description     | F1      | F2      | F3 | F4 | F5 | Units |
|-----------------|---------|---------|----|----|----|-------|
| Frequency Range | DC to 8 | 8 to 27 |    |    |    | GHz   |
| VSWR, Max       | 1.1:1   | 1.2:1   |    |    |    |       |

Electrical Specification Notes:  
 Values at 25°C, sea level.

### Mechanical Specifications

|             |                     |
|-------------|---------------------|
| <b>Size</b> |                     |
| Length      | 1.4 in [36.3 mm]    |
| Width       | 0.74 in [18.8 mm]   |
| Weight      | 0.066 lbs [29.94 g] |

| Description | Connector 1      | Connector 2 |
|-------------|------------------|-------------|
| Type        | 2.4mm NMD Female | SMA Female  |
| Polarity    | Standard         | Standard    |



### Configuration:

- 2.4mm NMD Female Connector 1
- SMA Female Connector 2
- 50 Ohm
- Ruggedized Design
- Straight Body Geometry

### Features:

- VSWR of 1.2:1 max up to 27 GHz
- 20 µin minimum contact plating
- Gold Plated Beryllium Copper Contact

### Applications:

- Enables Between Series Connections
- General Purpose Test

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**Material Specifications**

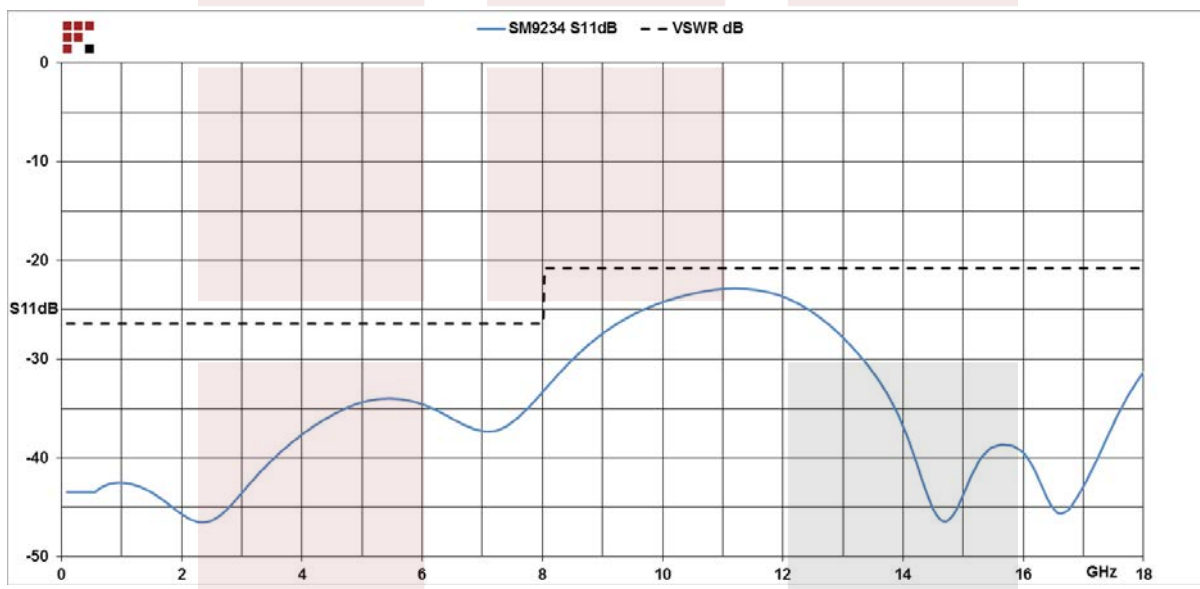
| Description            | Connector 1                | Connector 2                |
|------------------------|----------------------------|----------------------------|
| Type                   | 2.4mm NMD Female           | SMA Female                 |
| Contact Material       | Beryllium Copper           | Beryllium Copper           |
| Contact Plating        | Gold                       | Gold                       |
| Contact Plating Spec.  | 20 µin minimum             | 20 µin minimum             |
| Insulation Material    | PSU                        | PSU                        |
| Outer Contact Material | Passivated Stainless Steel | Passivated Stainless Steel |
| Coupling Nut Material  | Passivated Stainless Steel |                            |

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**

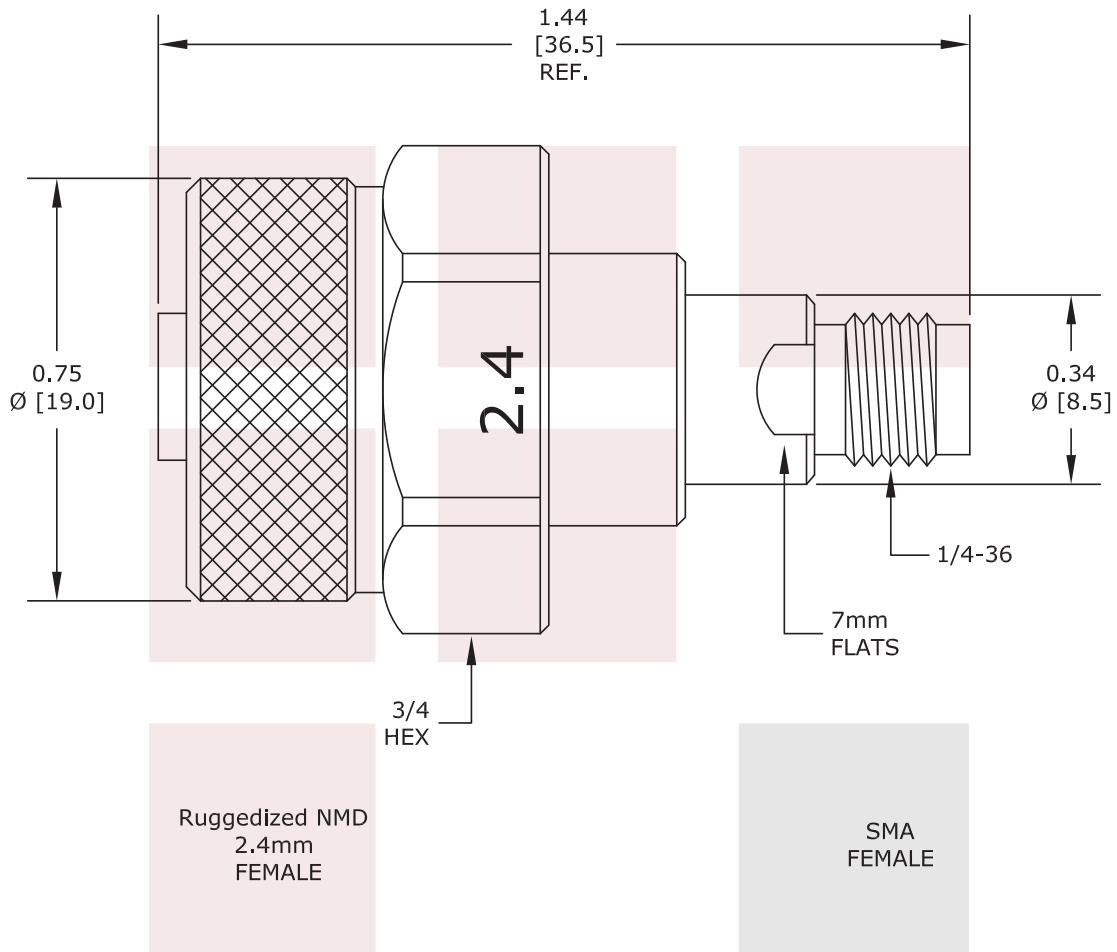


Ruggedized 2.4mm NMD Female to SMA Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Ruggedized 2.4mm NMD Female to SMA Female Adapter SM9234](#)

URL: <https://www.fairviewmicrowave.com/ruggedized-2.4mm-nmd-female-sma-female-adapter-sm9234-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.



|   |        |   |       |                    |             |
|---|--------|---|-------|--------------------|-------------|
| <b>FAIRVIEW MICROWAVE INC.</b><br>ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM |        | NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. |       |                    |             |
| TITLE<br>Ruggedized 2.4mm NMD Female to SMA Female Adapter                  |        | DWG NO<br>SM9234  |       | CAGE CODE<br>3FKR5 |             |
| CAD FILE  | 120315 | SHEET   | SCALE | N/A                | SIZE A 2233 |