

## Ruggedized 3.5mm NMD Female to SMA Female Adapter

Ruggedized 3.5mm NMD female to SMA female adapter part number SM9261 from Fairview Microwave is in-stock and ships same day. This Fairview 3.5mm NMD to SMA adapter has a female to female gender configuration in a ruggedized design. SM9261 3.5mm NMD female to SMA female adapter operates to 27 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 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			1.3:1	

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 5	5 to 11	11 to 19	19 to 27		GHz
VSWR, Max	1.05:1	1.07:1	1.15:1	1.3:1		

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

### Mechanical Specifications

<b>Size</b>	
Length	1.32 in [33.53 mm]
Width	0.86 in [21.84 mm]
Weight	0.0845 lbs [38.33 g]

Description	Connector 1	Connector 2
Type	3.5mm NMD Female	SMA Female
Polarity	Standard	Standard
Mating Cycles		500



### Configuration:

- 3.5mm NMD Female Connector 1
- SMA Female Connector 2
- 50 Ohms
- Ruggedized Design
- Straight Body Geometry

### Features:

- VSWR of 1.3:1 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	3.5mm 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	Oxide-Noryl	Oxide-Noryl
Outer Contact Material	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material	Passivated Stainless Steel	

**Environmental Specifications**

**Temperature**

Operating Range

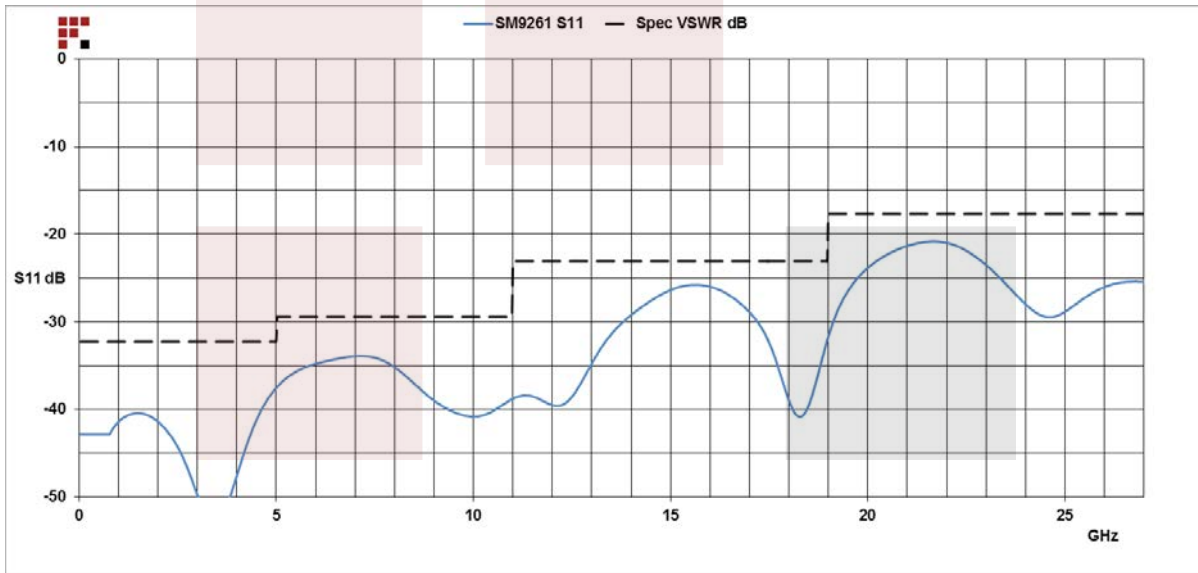
-55 to +100 deg C

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**



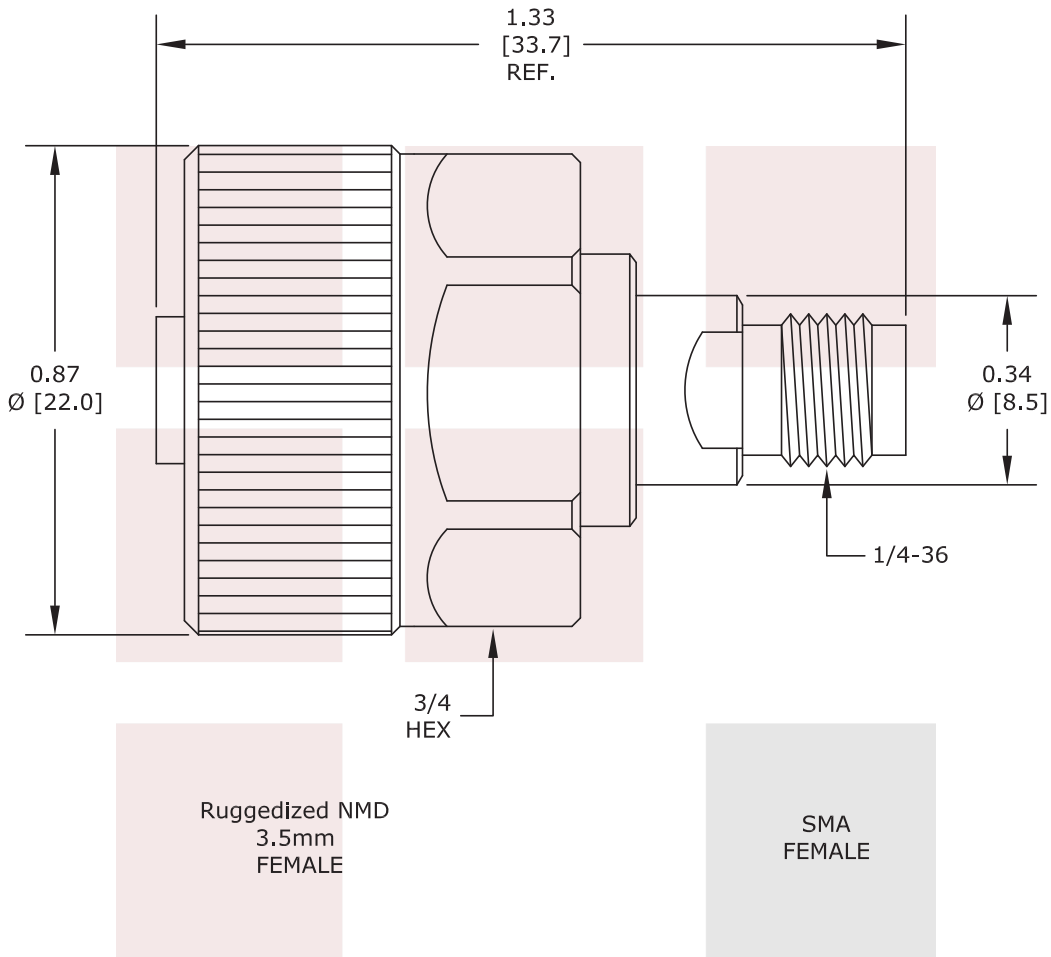
Ruggedized 3.5mm NMD Female to SMA Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Ruggedized 3.5mm NMD Female to SMA Female Adapter SM9261](#)

URL: <https://www.fairviewmicrowave.com/ruggedized-3.5mm-nmd-female-sma-female-adapter-sm9261-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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TITLE Ruggedized 3.5mm NMD Female to SMA Female Adapter	DWG NO SM9261		CAGE CODE 3FKR5		
	CAD FILE 021214	SHEET	SCALE N/A	SIZE A	150