

## RA SMA Female to QMA Male Adapter

RA SMA female to QMA male adapter part number SM5576 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to QMA adapter has a female to male gender configuration. SM5576 SMA female to QMA male adapter operates to 6 GHz. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. This low profile right angle SMA to QMA adapter allows for easier connections in tight spaces. The Fairview Microwave RF adapter provides good VSWR of 1.4:1 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		6	GHz
VSWR			1.4:1	

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

### Mechanical Specifications

Size	
Length	0.8 in [20.32 mm]
Width	0.74 in [18.8 mm]
Weight	0.02116 lbs [9.6 g]

Description	Connector 1	Connector 2
Type	SMA Female	QMA Male
Polarity	Standard	Standard
Mating Cycles	500	



### Configuration:

- SMA Female Connector 1
- QMA Male Connector 2
- 50 Ohms
- Right Angle Body Geometry

### Features:

- VSWR of 1.4:1 max up to 6 GHz
- 3 μm minimum contact plating
- Gold Plated Brass Contact

### Applications:

- Enables Between Series Connections
- General Purpose Test

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**Material Specifications**

Description	Connector 1	Connector 2
Type	SMA Female	QMA Male
Contact Material	Brass	Brass
Contact Plating	Gold	Gold
Contact Plating Spec.	3 µin minimum	3 µin Minimum
Insulation Material	PTFE	PTFE
Outer Contact Material	Brass	
Outer Contact Plating	Nickel	
Outer Contact Plating Spec.	100 µin minimum	
Body Material		Brass
Body Plating		Nickel
Body Plating Spec.		100 µin Minimum

**Environmental Specifications**

**Temperature**

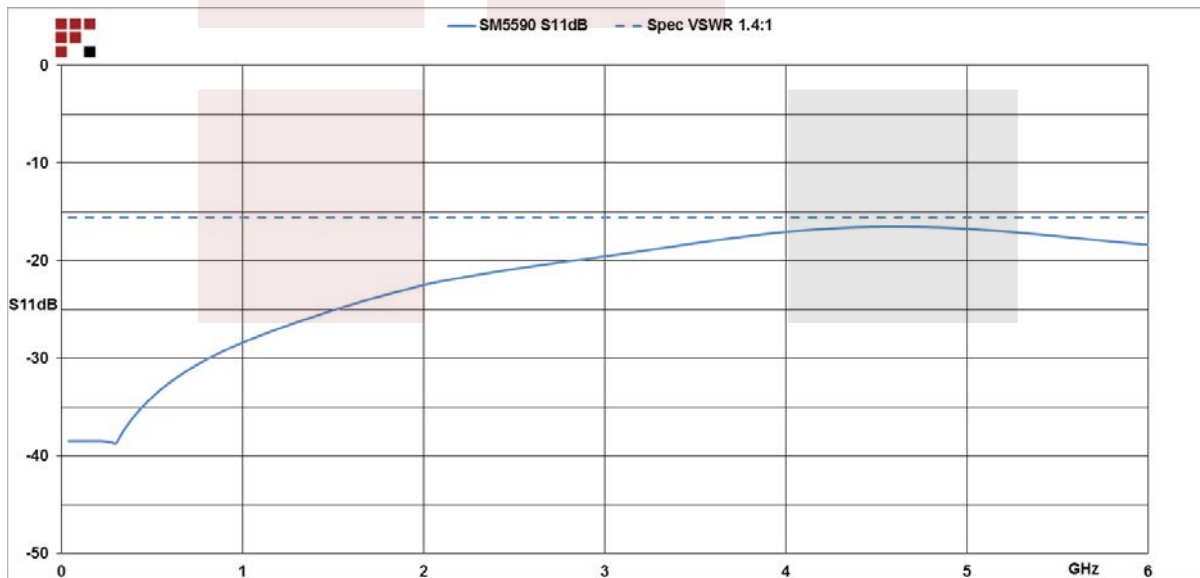
Operating Range -55 to +110 deg C

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**



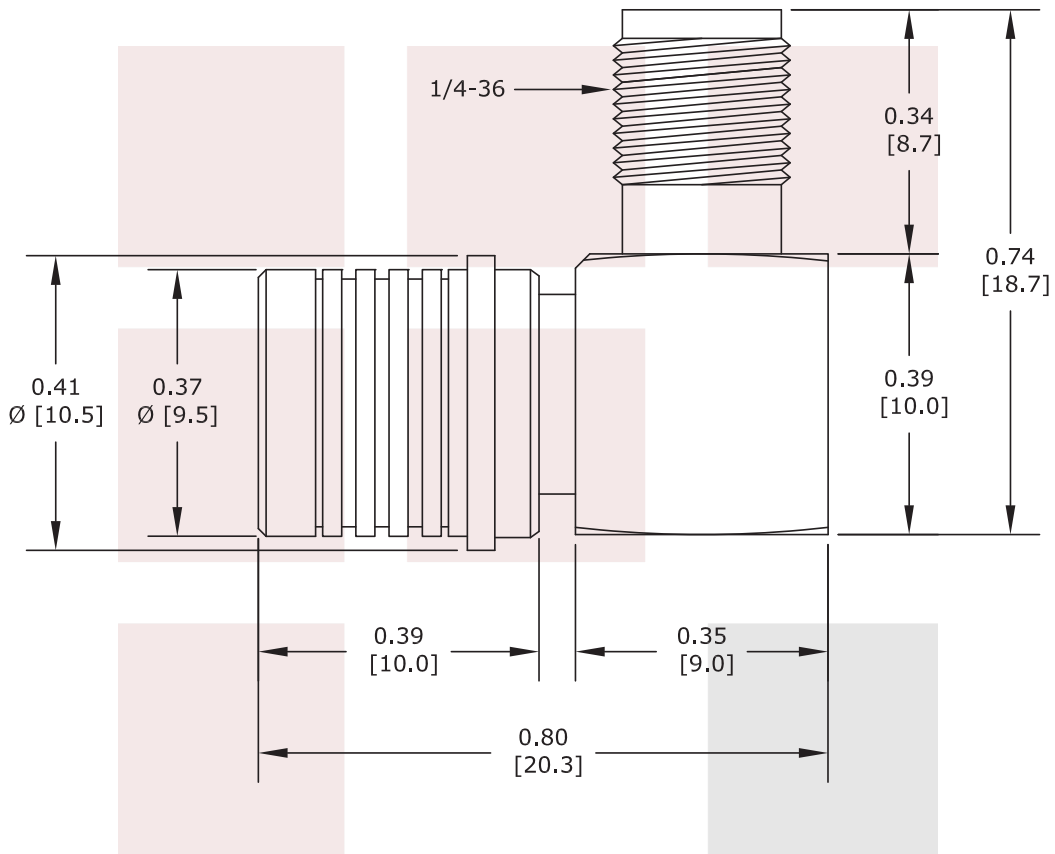
RA SMA Female to QMA Male Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RA SMA Female to QMA Male Adapter SM5576](#)

URL: <https://www.fairviewmicrowave.com/ra-sma-female-qma-male-adapter-sm5576-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 RA SMA Female to QMA Male Adapter		DWG NO SM5576		CAGE CODE 3FKR5	
CAD FILE	080714	SHEET	SCALE	N/A	SIZE A 150