

SMA Male to QMA Female Adapter

SMA male to QMA female adapter part number SM5590 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to QMA adapter has a male to female gender configuration. SM5590 SMA male to QMA female adapter operates to 6 GHz. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. The Fairview Microwave RF adapter provides excellent VSWR of 1.15:1 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			1.15:1	
Operating Voltage (AC)			335	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 6				GHz
VSWR, Max	1.06:1	1.15:1				

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

Mechanical Specifications

Size	
Length	0.878 in [22.3 mm]
Weight	0.0145 lbs [6.58 g]

Description	Connector 1	Connector 2
Type	SMA Male	QMA Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	MIL-STD-348A
Mating Cycles	500	
Hex Size	5/16 inch	
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]	



Configuration:

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

Features:

- VSWR of 1.15:1 max up to 6 GHz
- SMA interface meets MIL-STD-348A
- QMA interface meets MIL-STD-348A
- 50 μin minimum contact plating
- Gold Plated Beryllium Copper Contact

Applications:

- Enables Between Series Connections
- General Purpose Test

Fairview Microwave
1130 Junction Dr. #100
Allen, TX 75013
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Material Specifications

Description	Connector 1	Connector 2
Type	SMA Male	QMA Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold	Gold
Contact Plating Spec.	50 µin minimum	50 µin minimum
Insulation Material	PTFE	PTFE
Outer Contact Material		Brass
Outer Contact Plating		Gold
Outer Conductor Contact Spec.		3 µin minimum
Body Material	Brass	
Body Plating	Gold	
Body Plating Spec.	3 µin minimum	
Coupling Nut Material	Brass	
Coupling Nut Plating	Gold	
Coupling Nut Plating Spec.	3 µin minimum	

Environmental Specifications

Temperature

Operating Range

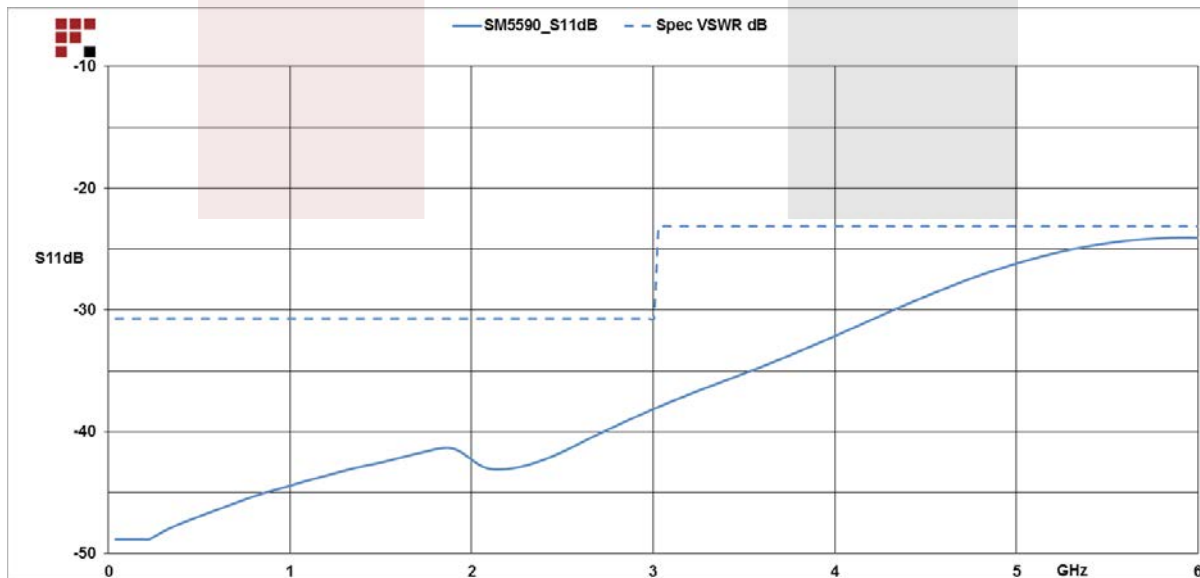
-40 to +80 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data



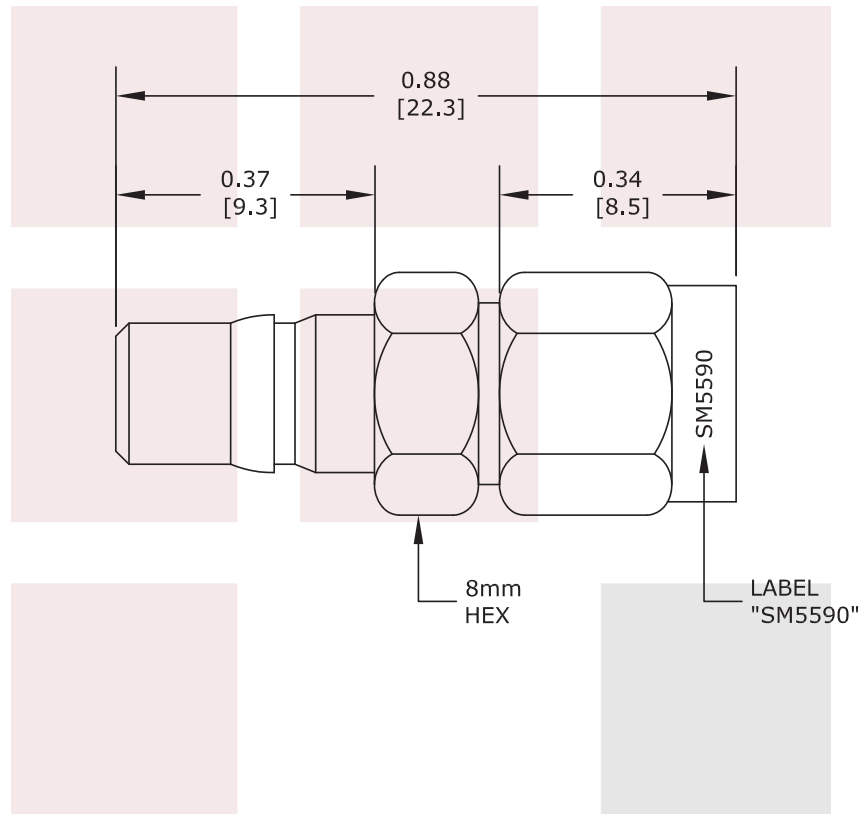
SMA Male to QMA Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male to QMA Female Adapter SM5590](#)

URL: <https://www.fairviewmicrowave.com/sma-male-qma-female-adapter-sm5590-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.





FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		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 SMA Male to QMA Female Adapter		DWG NO SM5590		CAGE CODE 3FKR5	
CAD FILE	112415	SHEET	SCALE	N/A	SIZE A 150