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TECHNOLOGY GROUP

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Fairview Microwave
RF COMPONENTS ON DEMAND. Done!

SM3036
DATA SHEET

SMA Female to 2.4mm Male Adapter



SMA female to 2.4mm male adapter part number SM3036 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to 2.4mm adapter has a female to male gender configuration. SM3036 SMA female to 2.4mm male adapter operates to 27 GHz. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. The 2.4mm connector mates mechanically with commercially available 1.85mm (V) connectors. 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 connnector 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	

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

Mechanical Specifications

Size

Length	0.772 in [19.61 mm]
Weight	0.00882 lbs [4 g]

Description	Connector 1	Connector 2
Type	SMA Female	2.4mm Male
Polarity	Standard	Standard
Mating Cycles	500	500
Mating Torque		8 to 10 in-lbs [0.90 to 1.13 Nm]

Configuration:

- SMA Female Connector 1
- 2.4mm Male Connector 2
- 50 Ohms
- Straight Body Geometry

Features:

- VSWR of 1.2:1 max up to 27 GHz
- Contact plating according to MIL-G-45204
- Gold over Nickel 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

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Material Specifications

Description	Connector 1	Connector 2
Type	SMA Female	2.4mm Male
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold over Nickel	Gold over Nickel
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Insulation Material	PTFE	Oxide-Noryl
Outer Contact Material	Passivated Stainless Steel	
Outer Contact Plating Spec.	ASTM A380	
Body Material		Passivated Stainless Steel
Body Plating Spec.		ASTM A380
Coupling Nut Material		Passivated Stainless Steel
Coupling Nut Plating Spec.		ASTM A380

Environmental Specifications

Temperature

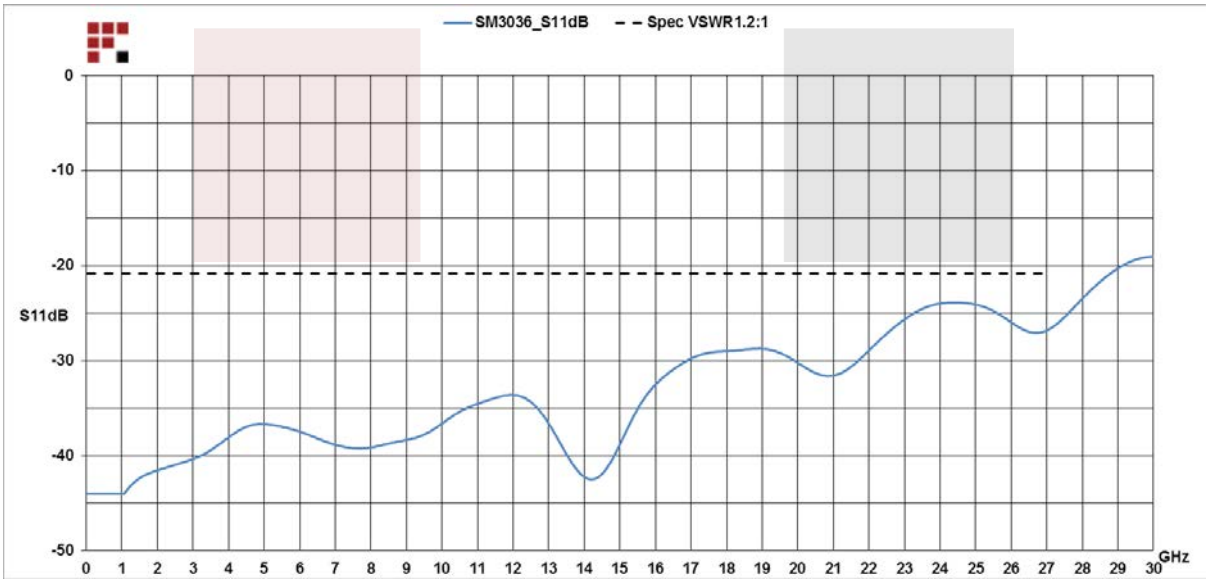
Operating Range	-55 to +100 deg C
Vibration	MIL-STD 202, Method 204, Condition D (20 G's)
Salt Spray	MIL-STD 202, Method 101, Condition B, 5% salt solution

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data



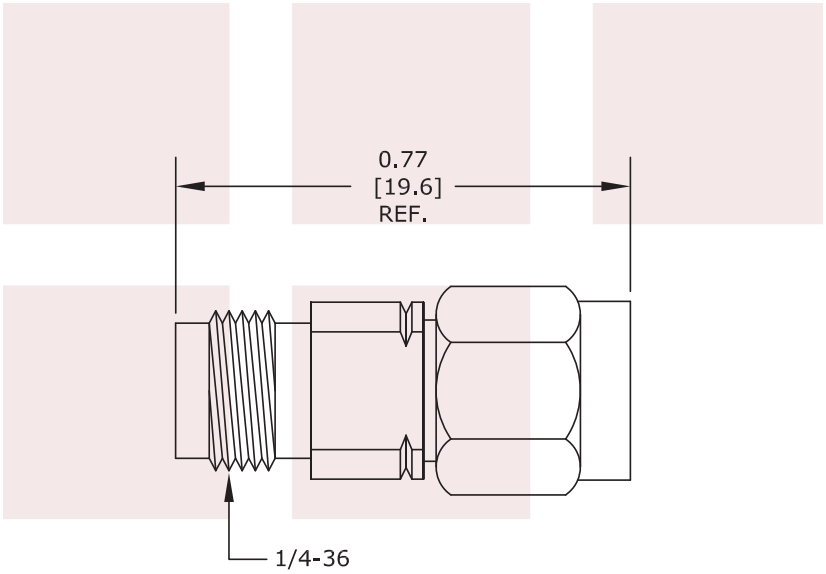
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SMA Female to 2.4mm Male Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF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

For additional information on this product, please click the following link: SMA Female to 2.4mm Male Adapter SM3036

URL: https://www.fairviewmicrowave.com/sma-female-2.4mm-male-adapter-sm3036-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 Female to 2.4mm Male Adapter	DWG NO SM3036		CAGE CODE 3FKR5		
	CAD FILE 111315	SHEET	SCALE N/A	SIZE A	150

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