

2.4mm Female to SMP Male Full Detent Adapter

2.4mm female to SMP male full detent adapter part number SM8863 from Fairview Microwave is in-stock and ships same day. This Fairview 2.4mm to SMP adapter has a female to male gender configuration. SM8863 2.4mm female to SMP male adapter operates to 40 GHz. The 2.4mm connector mates mechanically with commercially available 1.85mm (V) connectors. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 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		40	GHz
VSWR			1.25:1	

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

Mechanical Specifications

Size	
Length	0.93 in [23.62 mm]
Weight	0.008 lbs [3.63 g]

Description	Connector 1	Connector 2
Type	2.4mm Female	SMP Male
Connection Method		Full Detent
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348



Configuration:

- 2.4mm Female Connector 1
- Full Detent SMP Male Connector 2
- 50 Ohms
- Straight Body Geometry

Features:

- VSWR of 1.25:1 max up to 40 GHz
- 2.4mm interface meets MIL-STD-348
- SMP interface meets MIL-STD-348
- Contact plating according to MIL-G-45204
- 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 Female	SMP Male
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold	Gold
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Insulation Material	PTFE	PTFE
Outer Contact Material	Beryllium Copper	
Outer Contact Plating	Gold	
Outer Contact Plating Spec.	MIL-G-45204	
Body Material		Passivated Stainless Steel
Body Plating Spec.		AMS-QQ-P-35

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

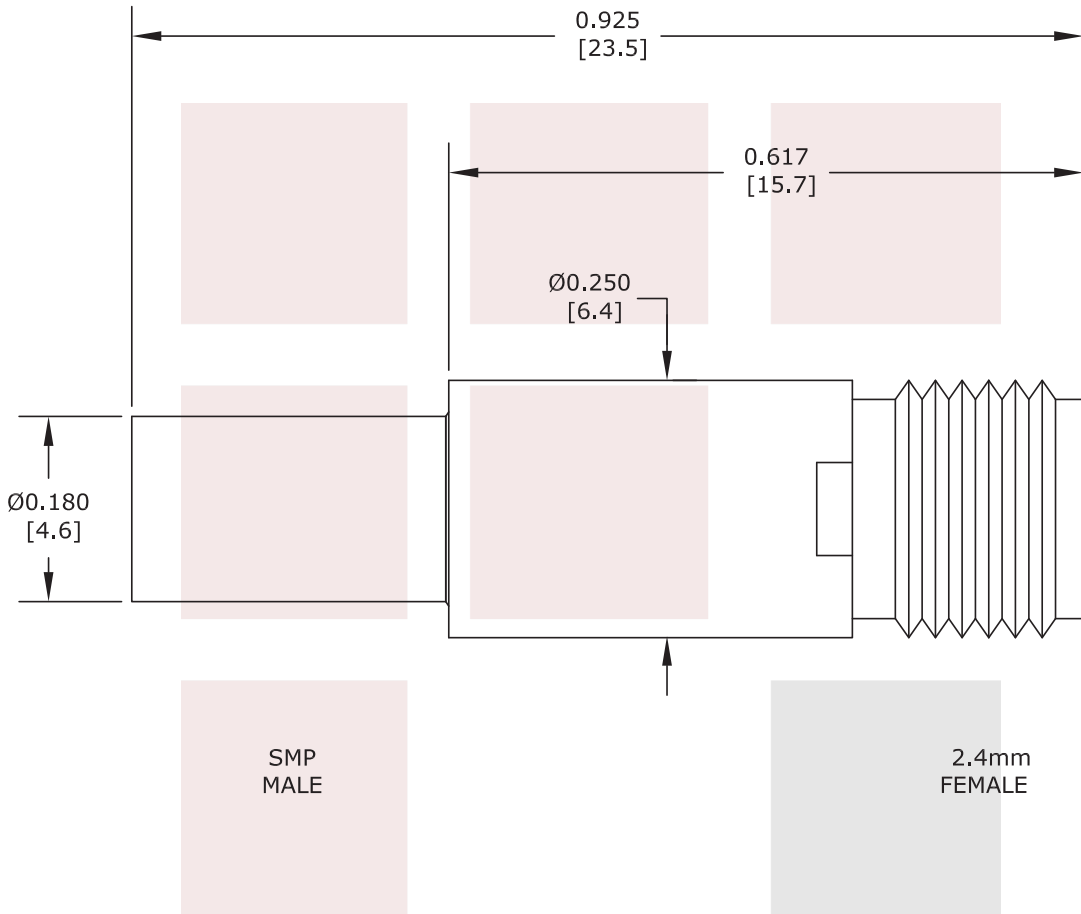
Notes:

2.4mm Female to SMP Male Full Detent 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: [2.4mm Female to SMP Male Full Detent Adapter SM8863](#)

URL: <https://www.fairviewmicrowave.com/2.4mm-female-smp-male-full-detent-adapter-sm8863-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.



STANDARD TOLERANCES	
.X	± 0.2
.XX	± 0.1
.XXX	± 0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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 2.4mm Female to SMP Male Full Detent Adapter		DWG NO SM8863		CAGE CODE 3FKR5	
CAD FILE	091316	SHEET	SCALE	N/A	SIZE A 41742