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Find the *Fairview Microwave / S.M. Electronics SM3085* at our website: *Click HERE*

Fairview Microwave
RF COMPONENTS ON DEMAND. Done!

SM3085
DATA SHEET

Precision 2.4mm Female to N Female Adapter

Precision 2.4mm female to type N female adapter part number SM3085 from Fairview Microwave is in-stock and ships same day. This Fairview 2.4mm to type N adapter has a female to female gender configuration in a precision design. SM3085 2.4mm female to type N female adapter operates to 18 GHz. The 2.4mm connector mates mechanically with commercially available 1.85mm (V) 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 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		18	GHz
VSWR			1.15:1	

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

Mechanical Specifications

Size

Length	1.573 in [39.95 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.07672 lbs [34.8 g]

Description	Connector 1	Connector 2
Type	2.4mm Female	N Female
Polarity	Standard	Standard
Mating Cycles	500	500

Material Specifications

Description	Connector 1	Connector 2
Type	2.4mm Female	N Female
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	Oxide-Noryl	Oxide-Noryl
Outer Contact Material	Passivated Stainless Steel	Passivated Stainless Steel
Outer Contact Plating Spec.	ASTM A380	ASTM A380



Configuration:

- 2.4mm Female Connector 1
- N Female Connector 2
- 50 Ohms
- Precision Design
- Straight Body Geometry

Features:

- VSWR of 1.15:1 max up to 18 GHz
- Contact plating according to MIL-G-45204
- Gold over Nickel Plated Beryllium Copper Contact

Applications:

- Enables Between Series Connections
- General Purpose Test
- Precision Test & Measurement

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Environmental Specifications

Temperature

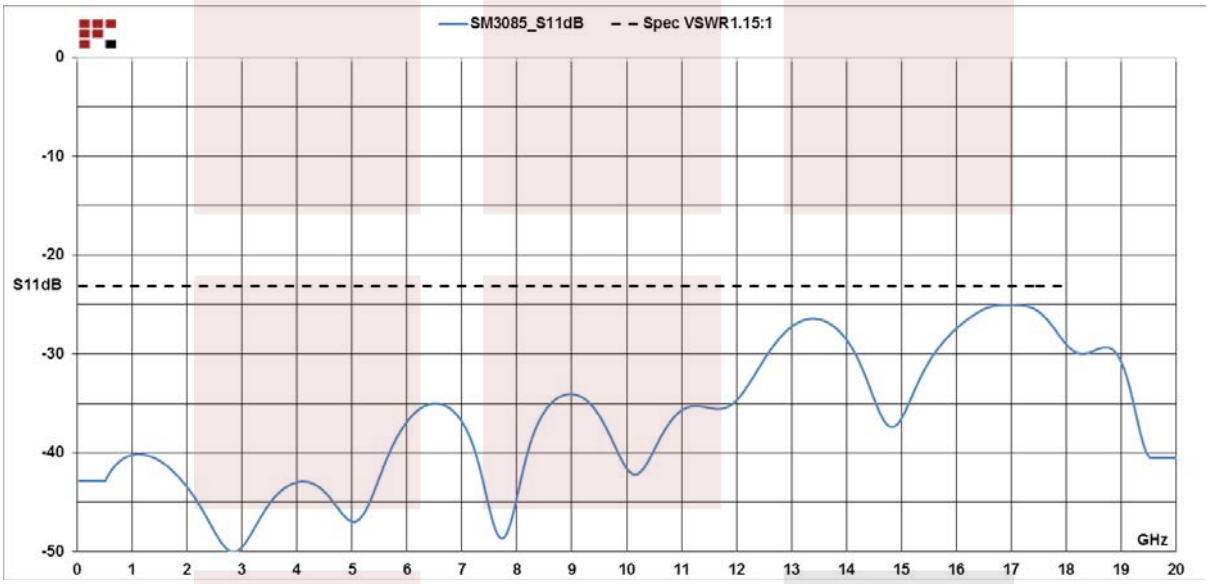
Operating Range	-55 to +100 deg C
Vibration	MIL-STD 202, Method 204, Condition D (20 G's)
Salt Spray	MIL-STD 202, Method 101, Condition B, 5% salt solution

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data



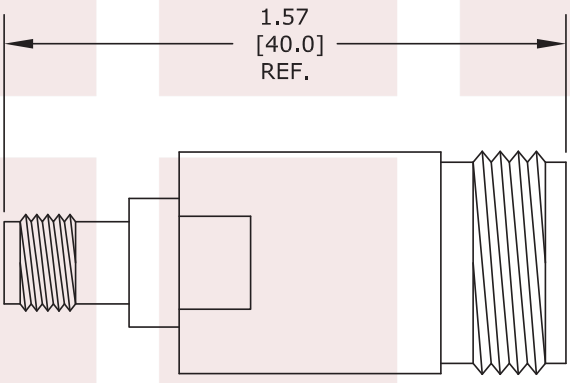
Precision 2.4mm Female to N Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: Precision 2.4mm Female to N Female Adapter SM3085

URL: https://www.fairviewmicrowave.com/2.4mm-female-n-female-adapter-sm3085-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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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 Precision 2.4mm Female to N Female Adapter	DWG NO SM3085		CAGE CODE 3FKR5		
	CAD FILE 111315	SHEET	SCALE N/A	SIZE A	150

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