

## Precision 2.92mm Female (Jack) to N Female (Jack) Adapter, 1.15 VSWR

**SM3125**



### Configuration

- 2.92mm Female Connector 1
- N Female Connector 2
- 50 Ohms Impedance

- 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

### Description

2.92mm female to type N female adapter part number SM3125 from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to type N adapter has a female to female gender configuration in a precision design. SM3125 2.92mm female to type N female adapter operates to 18 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.15:1 maximum. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors.

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	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
VSWR			1.15:1	

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

### Mechanical Specifications

#### Size

Length	1.55 in [39.27 mm]
Weight	0.08 lbs [35.61 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard

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Description	Connector 1	Connector 2
Mating Cycles, Min	500	500

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	2.92mm Female		N Female	
Contact	Beryllium Copper	Gold over Nickel MIL-G-45204	Beryllium Copper	Gold over Nickel MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor	Passivated Stainless Steel	AMS-2700	Passivated Stainless Steel	AMS-2700

Environmental Specifications

Temperature

Operating Range

Vibration

Salt Spray

-55 to +100 °C

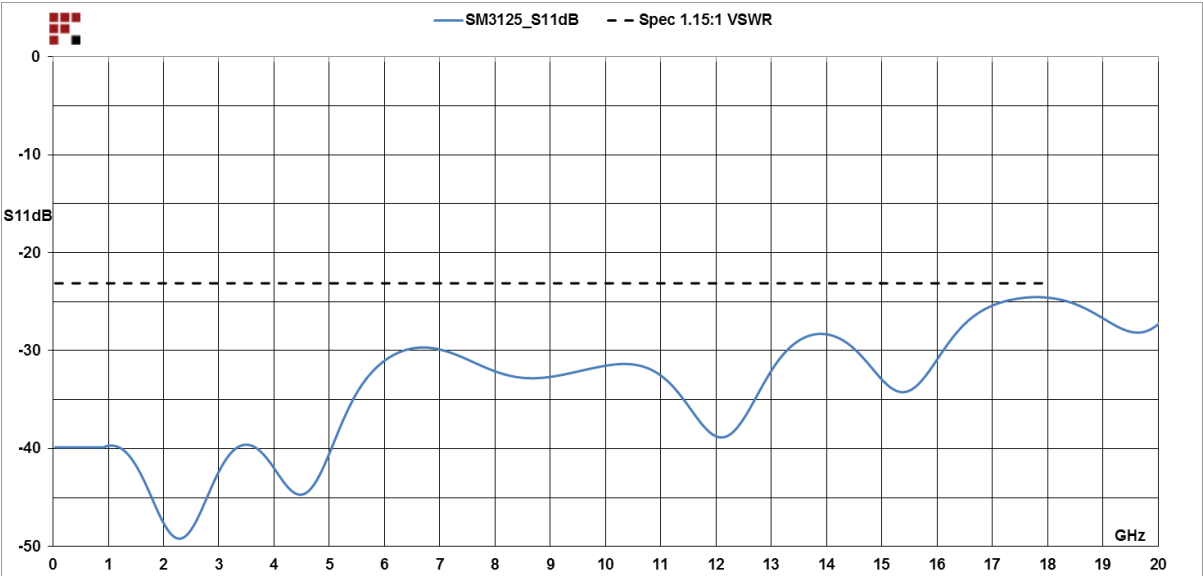
MIL-STD 202, Method 204, Condition D (20 G's)

MIL-STD 202, Method 101, Condition B, 5% salt solution

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

Plotted and Other Data

Typical Performance Data



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Precision 2.92mm Female (Jack) to N Female (Jack) Adapter, 1.15 VSWR 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Precision 2.92mm Female \(Jack\) to N Female \(Jack\) Adapter, 1.15 VSWR SM3125](https://www.fairviewmicrowave.com/product/rf-adapters/2.92mm-female-n-female-adapter-sm3125.html)

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The information contained within 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 liability arising out of the use of any part or document.

SM3125 CAD Drawing
Precision 2.92mm Female (Jack) to N Female (Jack) Adapter, 1.15 VSWR

