

Low PIM N Male (plug) to SMA Female (Jack) Adapter, Tri-Metal Plated Brass Body, 1.2 VSWR



SM4269

Configuration

- N Male Connector 1
- SMA Female Connector 2
- 50 Ohms Impedance
- Low PIM Design
- Straight Body Geometry

Features

- VSWR of 1.2:1 max up to 6 GHz
- PIM levels better than -160 dBc
- 5 µm minimum contact plating
- Silver Plated Beryllium Copper Contact

Applications

- Enables Between Series Connections
- General Purpose Test
- Low PIM Applications

Description

Type N male to SMA female adapter part number SM4269 from Fairview Microwave is in-stock and ships same day. This Fairview type N to SMA adapter has a male to female gender configuration in a low PIM design. SM4269 type N male to SMA female adapter operates to 6 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum and passive intermodulation of -160 dBc 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Passive Intermodulation using 2x20W tones			-160	dBc
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

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

Mechanical Specifications

Size

Length	1.24 in [31.50 mm]
Width	0.79 in [20.07 mm]
Weight	0.08 lbs [38.10 g]

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Description	Connector 1	Connector 2
Polarity	Standard	Standard
Hex Size	20 mm	

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Male		SMA Female	
Contact	Beryllium Copper	Silver 5 µm minimum	Beryllium Copper	Silver 5 µm minimum
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Tri-Metal
Body	Brass	Tri-Metal		
Coupling Nut	Brass	Tri-Metal		

Environmental Specifications

Temperature Operating Range	-45 to +125 °C
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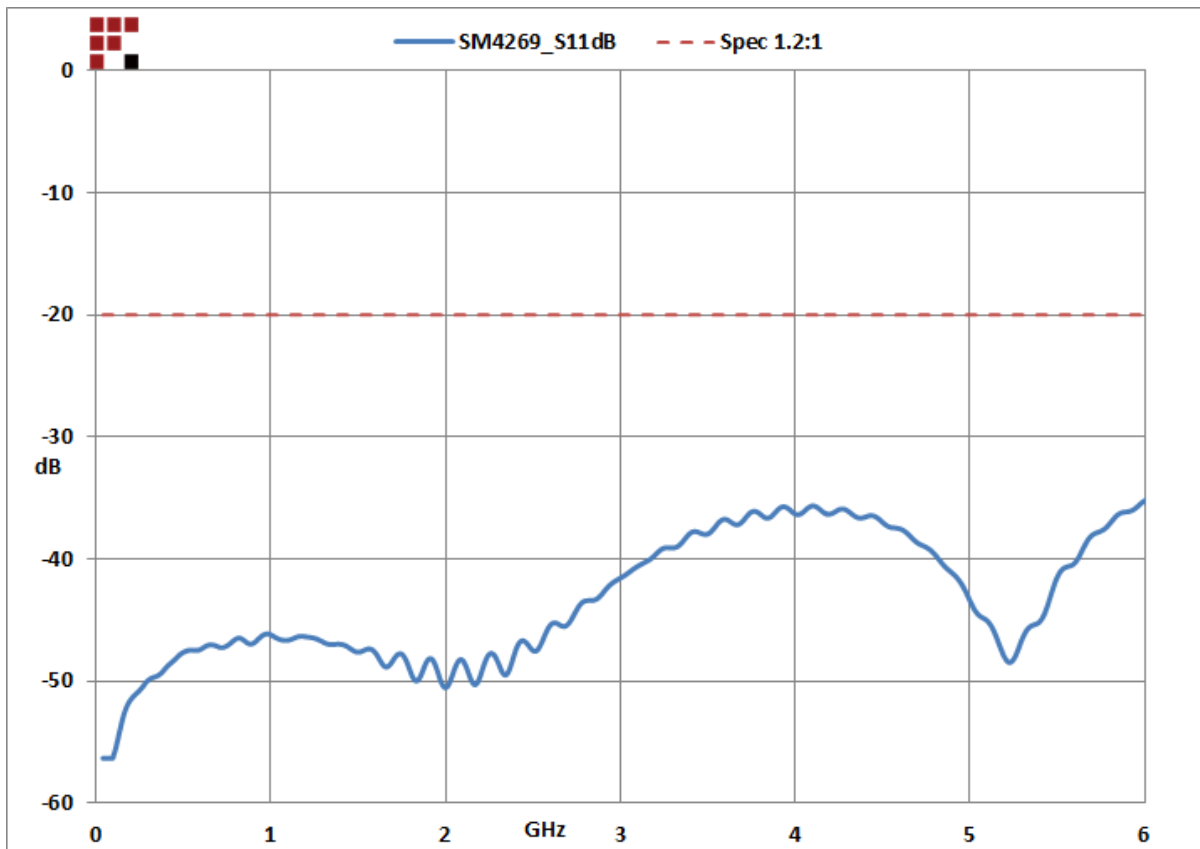


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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Typical Performance Data



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Low PIM N Male (plug) to SMA Female (Jack) Adapter, Tri-Metal Plated Brass Body, 1.2 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: [Low PIM N Male \(plug\) to SMA Female \(Jack\) Adapter, Tri-Metal Plated Brass Body, 1.2 VSWR SM4269](https://www.fairviewmicrowave.com/product/rf-adapters/n-male-sma-female-adapter-sm4269.html)

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