

SMA Male (plug) to SMC Jack Adapter, Nickel Plated Brass Body, High Temp, 1.2 VSWR



SM2076

Configuration

- SMA Male Connector 1
- SMC Jack Connector 2

- 50 Ohms Impedance
- Straight Body Geometry

Features

- VSWR of 1.2:1 max up to 10 GHz
- SMA interface meets MIL-STD-348
- SMC interface meets MIL-STD-348

- Contact plating according to MIL-G-45204
- 50 Ohm impedance with low 1.2:1 VSWR

Applications

- Enables Between Series Connections
- General Purpose Test

- RF and microwave test systems

Description

SMA male to SMC jack adapter part number SM2076 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMC adapter has a male to jack gender configuration. SM2076 SMA male to SMC jack adapter operates to 10 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. The SMA to SMC adapter SM2073 from Fairview Microwave is part of a very large in-stock collection of RF interconnect components. Our threaded SMA to push-on SMC RF adapter comes with a 50 Ohm impedance. This adapter is manufactured to precise RF component specifications and has a maximum VSWR of 1.2:1. This SMA to SMC adapter is constructed with the male gender on side 1 and the jack gender on side 2. The SMA male to SMC jack coaxial adapter from Fairview Microwave has a straight body style. Our RF adapter can be utilized to protect connectors on expensive equipment where the number of connect and disconnect cycles is high. The SM2072 adapter has a length of 0.81 inches, a width of 2.95 inches, and a weight of 0.012 lbs.

Our between series RF adapter operates at a maximum frequency of 10 GHz. This SMA male to SMC jack radio frequency adapter has a brass connector body. The Fairview Microwave SM2073 coaxial RF adapter operates at temperatures ranging from -65 to 165 degrees C. Additional dimensions and specifications for this adapter are available on our downloadable PDF datasheet. Fairview Microwave's SMA male to SMC jack adapter is part of over one million RF, microwave and millimeter wave components in stock for worldwide shipment. We also stock and custom-build SMA to SMC coaxial cables that ship quickly from our facility for all your RF adapter component needs. Make your online purchase right now to take advantage of our same-business-day shipping. For further information on similar products, our expert technical support and trained sales team can get you the ideal 10 GHz radio frequency adapter as per your requirements.

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		10	GHz
Impedance		50		Ohms
VSWR			1.2:1	

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

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Mechanical Specifications

Size

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		SMC Jack	
Contact	Brass	Gold MIL-G-45204	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Nickel QQ-N-290
Body	Brass	Nickel QQ-N-290		
Coupling Nut	Brass	Nickel QQ-N-290		

Environmental Specifications

Temperature

Operating Range -65 to +165 °C

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

Plotted and Other Data

SMA Male (plug) to SMC Jack Adapter, Nickel Plated Brass Body, High Temp, 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: [SMA Male \(plug\) to SMC Jack Adapter, Nickel Plated Brass Body, High Temp, 1.2 VSWR SM2076](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/sma-male-to-smc-jack-adapter-sm2076>

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SM2076 CAD Drawing

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