

SMA Male (Plug) to RP SMA Female (Jack) Adapter, Commercial Grade



FMAD10095

Configuration

- SMA Male Connector 1
- SMA Female Reverse Polarity Connector 2
- 50 Ohms Impedance
- Straight Body Geometry

Features

- VSWR of 1.25:1 max up to 18 GHz
- Gold Plated Brass Contact
- Provides In-Series SMA to Reverse Polarity SMA Connections
- Operates to 18 GHz
- Max VSWR of 1.25:1
- Gold Plated Center Contacts

Applications

- General Purpose Test
- Part 15 Reverse Polarity System Interconnect
- General Purpose Lab
- Test and Measurement Applications

Description

SMA male to RP SMA female adapter part number FMAD10095 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to reverse polarity SMA adapter has a male to female gender configuration. FMAD10095 SMA male to reverse polarity SMA female adapter operates to 18 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) 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			1.25:1	

Mechanical Specifications

Size

Length	0.72 in [18.29 mm]
Width	0.29 in [7.37 mm]
Height	0.29 in [7.37 mm]
Weight	0.01 lbs [5.08 g]

Description	Connector 1	Connector 2
Polarity	Standard	Reverse Polarity
Mating Torque	3 to 5 in-lbs 0.34 to 0.57 Nm	

SMA Male (Plug) to RP SMA Female (Jack) Adapter, Commercial Grade



FMAD10095

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		SMA Female Reverse	
			Polarity	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Nickel
Body	Brass	Nickel	Brass	Nickel
Coupling Nut	Brass	Nickel		

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 RP SMA Female (Jack) Adapter, Commercial Grade 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 RP SMA Female \(Jack\) Adapter, Commercial Grade FMAD10095](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/sma-male-to-rp-sma-female-adapter-fmad10095.html>

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.

SMA Male (Plug) to RP SMA Female (Jack) Adapter, Commercial Grade

