

Precision SMA Male (Plug) to SMP Male (Plug) Full Detent Adapter with Passivated Stainless Steel Body



FMAD91717

Configuration

- SMA Male Connector 1
- Full Detent SMP Male Connector 2
- 50 Ohm
- Precision Design
- Straight Body Geometry

Features

- VSWR of 1.2:1 max up to 26.5 GHz
- SMA interface meets MIL-STD-348
- SMP interface meets MIL-STD-348
- Gold Plated Beryllium Copper Contact

Applications

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

Description

SMA male to SMP male full detent adapter part number FMAD91717 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMP adapter has a male to male gender configuration and is built of durable stainless steel in a precision design. FMAD91717 SMA male to SMP male adapter operates to 26.5 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.

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		26.5	GHz
Impedance		50 Ohm		
VSWR			1.2:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			2,000	Vrms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:

Insertion loss: $0.12\sqrt{F(\text{GHz})}$ dB MAX

Mechanical Specifications

Size

Length	0.82 in [20.80 mm]
Width	0.32 in [8.00 mm]
Height	0.32 in [8.00 mm]
Weight	0.01 lbs [3.63 g]

Precision SMA Male (Plug) to SMP Male (Plug) Full Detent Adapter with Passivated Stainless Steel Body



FMAD91717

Description	Connector 1	Connector 2
Type	SMA Male	SMP Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348
Mating Cycles, Min	500	100
Hex Size	5/16 in.	
Mating Torque	0.315 in-lbs 0.04 Nm min	

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		Full Detent SMP Male	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Passivated Stainless Steel		Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel			

Environmental Specifications

Temperature

Operating Range -65 to +165 °C

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

Plotted and Other Data

Precision SMA Male (Plug) to SMP Male (Plug) Full Detent Adapter with Passivated Stainless Steel Body 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 SMA Male \(Plug\) to SMP Male \(Plug\) Full Detent Adapter with Passivated Stainless Steel Body FMAD91717](#)

URL: <https://www.fairviewmicrowave.com/precision-sma-male-to-smp-male-full-detent-adapter-with-passivated-stainless-steel-body-fmad91717-p.aspx>

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.

Precision SMA Male (Plug) to SMP Male (Plug) Full Detent Adapter with Passivated Stainless Steel Body

