

SMA Female (Jack) to SMP Male (Plug) Full Detent Bulkhead Adapter with Stainless Steel Body



FMAD10130

Configuration

- SMA Female Connector 1
- Full Detent SMP Male Connector 2
- 50 Ohms Impedance
- Bulkhead Mount Method

Features

- VSWR of 1.3:1 max up to 26.5 GHz
- Golver over Nickel Alloy over Copper Plated Beryllium Copper Contact

Applications

- Enables Between Series Connections
- Rack Mounted Equipment
- General Purpose Test

Description

SMA female to SMP male full detent bulkhead adapter part number FMAD10130 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMP adapter has a female to male gender configuration and is built of durable stainless steel. FMAD10130 SMA female to SMP male adapter operates to 26.5 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. This SMA to SMP adapter allows for easier connections in tight spaces. Our RF SMA to SMP bulkhead adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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		Ohms
VSWR			1.3:1	
Insertion Loss			0.308	dB
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	0.43 in [10.90 mm]
Width	0.38 in [9.63 mm]
Height	0.38 in [9.63 mm]
Weight	0.08 lbs [35.79 g]

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Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	100
Mating Torque	7 to 9.5 in-lbs 0.79 to 1.07 Nm	
Contact Captivation Axial Force, Min	6.1 lbs [2.77 kg]	
Coupling Proof Torque	15 in-lbs [1.7 Nm]	

Mechanical Specification Notes:

Engagement Force: =15lbs

Disengagement Force: =5lbs

Axial Misalignment: +0.00/-0.25(+.000/-0.010)

Radial Misalignment: +/-0.25(0.010)

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		Full Detent SMP Male	
Contact	Beryllium Copper	Golver over Nickel Alloy over Copper	Beryllium Copper	Golver over Nickel Alloy over Copper
Insulation	PTFE		PTFE	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Gasket	Silicone		Silicone	

Environmental Specifications

Temperature

Operating Range

-55 to +165 °C

Humidity

MIL-STD-202, Method 106

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

SMA Female (Jack) to SMP Male (Plug) Full Detent Bulkhead Adapter with 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: [SMA Female \(Jack\) to SMP Male \(Plug\) Full Detent Bulkhead Adapter with Stainless Steel Body FMAD10130](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/sma-female-to-smp-male-full-detent-bulkhead-adapter-mil-std-202-method-106-with-passivated-stainless-steel-body-fmad10130>

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FMAD10130 CAD Drawing

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