

RP SMA Male (Plug) to N Male (Plug) Adapter, VSWR 1.2 up to 6 GHz

FMAD1733



Configuration

- SMA Male Reverse Polarity Connector 1
- N Male Connector 2
- 50 Ohms Impedance

Features

- VSWR of 1.2:1 max up to 6 GHz
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

- Enables Between Series Connections
- General Purpose Test

Description

RP SMA male to type N male adapter part number FMAD1733 from Fairview Microwave is in-stock and ships same day. This Fairview Reverse Polarity SMA to type N adapter has a male to male gender configuration. FMAD1733 Reverse Polarity SMA male to type N male adapter operates to 6 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum. This RP SMA to type N adapter allows for easier connections in tight spaces.

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	
Insertion Loss			0.098	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.13 in [28.60 mm]
Width	0.83 in [21.01 mm]
Height	0.83 in [21.01 mm]
Weight	0.01 lbs [4.54 g]

Description	Connector 1	Connector 2
Polarity	Reverse Polarity	

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Description	Connector 1	Connector 2
Mating Cycles, Min	100	500
Contact Retention Force, Min	60.7 lbs [27.53 kg]	101.2 lbs [45.9 kg]
Contact Captivation Axial Force, Min	6.1 lbs [2.77 kg]	6.3 lbs [2.86 kg]
Coupling Proof Torque	5.3 in-lbs [0.6 Nm]	15 in-lbs [1.7 Nm]

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male Reverse Polarity		N Male	
Contact	Beryllium Copper	Gold over Nickel over Copper	Beryllium Copper	Gold over Nickel over Copper
Body	Brass	Copper-Tin-Zinc Alloy	Brass	Copper-Tin-Zinc Alloy
Gasket	Silicone		Silicone	

Environmental Specifications

Temperature

Operating Range

-65 to +165 °C

Humidity

MIL-STD-202, Method 206

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

RP SMA Male (Plug) to N Male (Plug) Adapter, VSWR 1.2 up to 6 GHz 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: [RP SMA Male \(Plug\) to N Male \(Plug\) Adapter, VSWR 1.2 up to 6 GHz FMAD1733](#)

URL: <https://www.fairviewmicrowave.com/rp-sma-male-to-n-male-adapter-mil-std-202-method-206-fmad1733-p.aspx>

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FMAD1733 CAD Drawing

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