

## RP-SMA Female (Jack) to RP-SMA Female (Jack) Bulkhead Mount Adapter, Commercial Grade



### FMAD10053

#### Configuration

- SMA Female Reverse Polarity Connector 1
- SMA Female Reverse Polarity Connector 2
- 50 Ohms Impedance
- Commercial Grade Design
- Straight Body Geometry
- Bulkhead Mount Method

#### Features

- Gold Plated Brass Contact

#### Applications

- General Purpose Test
- Rack Mounted Equipment

#### Description

RP SMA female to RP SMA female bulkhead adapter part number FMAD10053 from Fairview Microwave is in-stock and ships same day. This Fairview reverse polarity SMA to reverse polarity SMA adapter has a female to female gender configuration in a commercial grade design. FMAD10053 reverse polarity SMA female to reverse polarity SMA female adapter operates to 11 GHz. Our RF SMA to SMA 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      |         | 11      | GHz   |
| Impedance                            |         | 50      |         | Ohms  |
| Insertion Loss                       |         |         | 0.15    | dB    |
| Operating Voltage (DC)               |         |         | 500     | Vdc   |
| Dielectric Withstanding Voltage (AC) |         |         | 1,000   | Vrms  |

#### Mechanical Specifications

##### Size

|        |                    |
|--------|--------------------|
| Length | 0.88 in [22.35 mm] |
| Width  | 0.28 in [7.01 mm]  |
| Height | 0.28 in [7.01 mm]  |
| Weight | 0.15 lbs [68.04 g] |

| Description | Connector 1      | Connector 2      |
|-------------|------------------|------------------|
| Polarity    | Reverse Polarity | Reverse Polarity |

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#### Material Specifications

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

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

RP-SMA Female (Jack) to RP-SMA Female (Jack) Bulkhead Mount 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: [RP-SMA Female \(Jack\) to RP-SMA Female \(Jack\) Bulkhead Mount Adapter, Commercial Grade FMAD10053](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/rp-sma-female-to-rp-sma-female-bulkhead-adapter-fmad10053.html>

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FMAD10053 CAD Drawing

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