

SMPS Female (Jack) to SMPS Female (Jack)
Spring-loaded Adapter (Bullet), L=0.42 inch



FMAD1749

Configuration

- SMPS Female Connector 1
- SMPS Female Connector 2
- 50 Ohms Impedance

Features

- Gold Plated Beryllium Copper Contact
- Typical VSWR of 1.25:1 at 18GHz
- Straight Body Geometry
- 40 GHz Frequency Range

Applications

- General Purpose Test
- Allows board-to-board connections

Description

SMPS female to SMPS female adapter part number FMAD1749 from Fairview Microwave is in-stock and ships same day. This Fairview SMPS to SMPS adapter has a female to female gender configuration and is built of durable stainless steel. FMAD1749 SMPS female to SMPS female adapter operates to 40 GHz. This SMPS 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 | | 40 | GHz |
| Impedance | | 50 | | Ohms |
| Insertion Loss | | | 0.76 | dB |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------|----------|----|----|----|----|-------|
| Frequency Range | DC to 18 | | | | | GHz |
| VSWR, Max | 1.25:1 | | | | | |

Mechanical Specifications

Size

- Length 0.41 in [10.52 mm]
- Width 0.13 in [3.40 mm]
- Height 0.13 in [3.40 mm]
- Weight 0.00 lbs [0.50 g]

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Mechanical Specification Notes:

500 cycles when mated with Smooth Bore and 100 Cycles when mated with Full Detent male connector.

*Length 0.39 Inches when compressed

Material Specifications

| Description | Connector 1 | | Connector 2 | |
|-----------------|----------------------------|---------|----------------------------|---------|
| | Material | Plating | Material | Plating |
| Type | SMPS Female | | SMPS Female | |
| Contact | Beryllium Copper | Gold | Beryllium Copper | Gold |
| Insulation | PTFE | | PTFE | |
| Outer Conductor | Beryllium Copper | Gold | Beryllium Copper | Gold |
| Body | Passivated Stainless Steel | | Passivated Stainless Steel | |

Environmental Specifications

Temperature

Operating Range -40 to +125 °C

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

Plotted and Other Data

SMPS Female (Jack) to SMPS Female (Jack) Spring-loaded Adapter (Bullet), L=0.42 inch 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: [SMPS Female \(Jack\) to SMPS Female \(Jack\) Spring-loaded Adapter \(Bullet\), L=0.42 inch FMAD1749](#)

URL: <https://www.fairviewmicrowave.com/smeps-female-to-smeps-female-adapter-with-passivated-stainless-steel-body-fmad1749-p.aspx>

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FMAD1749 CAD Drawing

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