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

#### **Features**

- Gold Plated Beryllium Copper Contact
- Typical VSWR of 1.25:1 at 18GHz

### **Applications**

· General Purpose Test

- 50 Ohms Impedance
- Straight Body Geometry
- 40 GHz Frequency Range
- 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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## **FMAD1749**

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**

	Connecto	r 1	Connector 2		
Description	Material	Plating	Material	Plating	
Туре	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

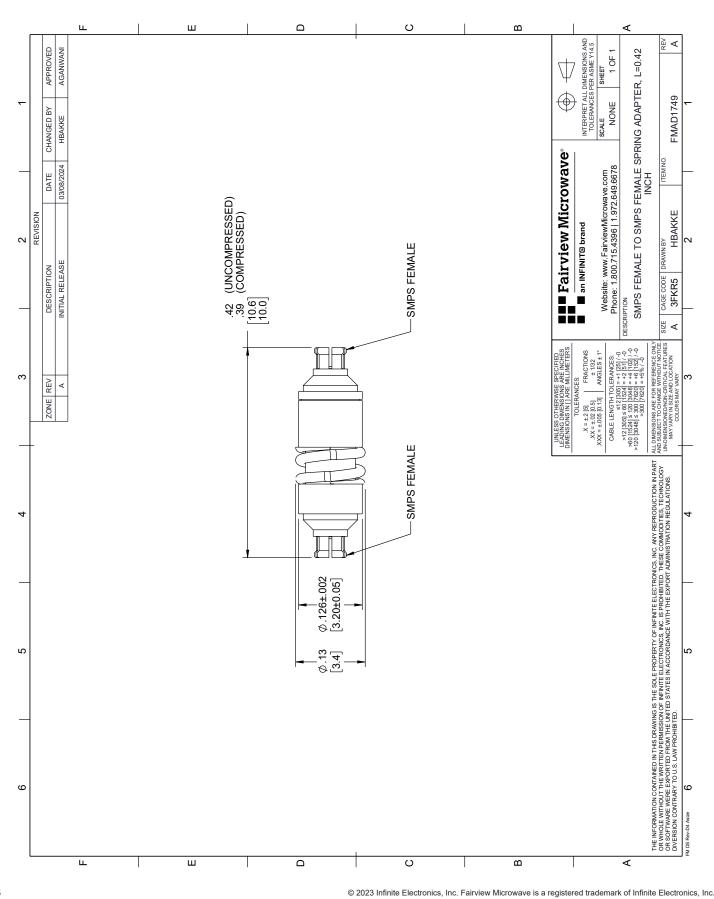
# URL: https://www.fairviewmicrowave.com/smps-female-to-smps-female-adapter-with-passivated-stainless-steel-body-fmad1749-p.aspx

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# FMAD1749 CAD Drawing

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



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