

RF Adapter, SMPS Female (Jack) to SMPS Female (Jack), Bullet, OAL 0.098 inches

SMPS female to SMPS female adapter part number FMAD9990 from Fairview Microwave is in-stock and ships same day. This Fairview SMPS to SMPS adapter has a female to female gender configuration. FMAD9990 SMPS female to SMPS female adapter operates to 65 GHz.

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	Min	Typ	Max	Units
Frequency Range	DC		65	GHz
Insertion Loss			0.64	dB

Mechanical Specifications

Size	
Length	0.10 in [2.49 mm]
Width	0.07 in [1.73 mm]
Height	0.07 in [1.73 mm]
Weight	0.00 lbs [0.05 g]

Description	Connector 1	Connector 2
Type	SMPS Female	SMPS Female
Polarity	Standard	Standard
Mating Cycles, Min	500	500

Mechanical Specification Notes:

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

Material Specifications

Description	Connector 1	Connector 2
Type	SMPS Female	SMPS Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold	Gold
Contact Plating Spec.	50 μ in minimum	50 μ in minimum
Insulation Material	PTFE	PTFE
Outer Contact Material	Beryllium Copper	Beryllium Copper
Outer Contact Plating	Gold	Gold
Outer Contact Plating Spec.	50 μ in minimum	50 μ in minimum



Configuration:

- SMPS Female Connector 1
- SMPS Female Connector 2
- 50 Ohm
- Straight Body Geometry

Features:

- 50 μ in minimum contact plating
- Gold Plated Beryllium Copper Contact

Applications:

- General Purpose Test

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Environmental Specifications

Temperature

Operating Range	-55 to -165 deg C
Humidity	MIL-STD-202, Method 106, Less Step 7B
Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition D
Thermal Shock	MIL-STD-202, Method 107, Condition B

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

Plotted and Other Data

Notes:

RF Adapter, SMPS Female (Jack) to SMPS Female (Jack), Bullet, OAL 0.098 inches 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: [RF Adapter, SMPS Female \(Jack\) to SMPS Female \(Jack\), Bullet, OAL 0.098 inches FMAD9990](#)

URL: <https://www.fairviewmicrowave.com/smps-female-to-smps-female-adapter-mil-std-202-method-106-less-step-7b-fmad9990-p.aspx>

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