

RF Adapter, SMPS Female (Jack) to 1.85mm Male (Plug) Adapter

SMPS female to 1.85mm male adapter part number FMAD9991 from Fairview Microwave is in-stock and ships same day. This Fairview SMPS to 1.85mm adapter has a female to male gender configuration and is built of durable stainless steel. FMAD9991 SMPS female to 1.85mm male adapter operates to 67 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		67	GHz
Insertion Loss			0.7	dB

Mechanical Specifications

Size	
Length	0.61 in [15.52 mm]
Width	0.35 in [8.99 mm]
Height	0.35 in [8.99 mm]
Weight	0.01 lbs [3.10 g]

Description	Connector 1	Connector 2
Type	SMPS Female	1.85mm Male
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	1.85mm Male
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold	Gold
Contact Plating Spec.	50 µin minimum	50 µin minimum
Insulation Material	PEI	PEI
Outer Contact Material	Beryllium Copper	Beryllium Copper
Outer Contact Plating	Gold	Gold
Outer Contact Plating Spec.	50 µin minimum	50 µin minimum
Body Material	Passivated Stainless Steel	Passivated Stainless Steel



Configuration:

- SMPS Female Connector 1
- 1.85mm Male Connector 2
- 50 Ohm
- Straight Body Geometry

Features:

- 50 µin minimum contact plating
- Gold Plated Beryllium Copper Contact

Applications:

- Enables Between Series Connections
- 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 1.85mm Male (Plug) Adapter 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 1.85mm Male \(Plug\) Adapter FMAD9991](#)

URL: <https://www.fairviewmicrowave.com/smps-female-to-1.85mm-male-adapter-mil-std-202-method-106-less-step-7b-with-passivated-stainless-steel-body-fmad9991-p.aspx>

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