

1.35mm Female to 1.85mm Male Adapter, Engineering Grade



FMAD10016

Configuration

- 1.35mm Female Connector 1
- 1.85mm Male Connector 2
- 50 Ohms Impedance
- Engineering Grade Design
- Straight Body Geometry

Features

- VSWR of 1.3:1 max up to 67 GHz
- Gold Plated Beryllium Copper Contact

Applications

- Enables Between Series Connections
- General Purpose Test

Description

The engineering grade 1.35mm adapter FMAD10016 from Fairview Microwave is part of a very large in-stock collection of RF interconnect components. Our threaded 1.35mm to threaded 1.85mm RF adapter comes with a 50 Ohm impedance. Our 1.35mm to 1.85mm adapter is an engineering grade adapter designed for repeated use in a variety of applications without performance degradation. This adapter is manufactured to precise RF component specifications and has a maximum VSWR of 1.3:1. Our engineering grade RF adapter has a dielectric withstanding voltage of 500 Vrms. This radio frequency adapter has a maximum insertion loss of 0.654 dB.

This 1.35mm to 1.85mm engineering grade adapter is constructed with the female gender on side 1 and the male gender on side 2. The 1.35mm female to 1.85mm male coaxial adapter from Fairview Microwave has a straight body style. This 1.35mm to 1.85mm adapter is an in-line RF adapter in an engineering grade design. Our RF adapter can be utilized to protect connectors on expensive equipment where the number of connect and disconnect cycles is high. The FMAD10016 adapter has a length of 0.354 inches, a width of 0.354 inches, and a weight of 0.01 lbs.

Our in-series RF adapter operates at a maximum frequency of 67 GHz. This 1.35mm female to 1.85mm male radio frequency adapter has a passivated stainless steel connector body. The Fairview Microwave FMAD10016 coaxial RF adapter operates at temperatures ranging from -65 to 165 degrees C. Our engineering grade adapter is ideal for use in RF and microwave systems. Additional dimensions and specifications for this adapter are on our downloadable PDF datasheet above.

Fairview Microwave's 1.35mm female to 1.85mm male adapter is part of over one million RF, microwave and millimeter wave components in stock for worldwide shipment. We also stock and custom-build 1.35mm coaxial cables that ship quickly from our facility for all your RF adapter component needs. Make your online purchase right now to take advantage of our same-business-day shipping. For further information on similar products, our expert technical support and trained sales team can get you the ideal 67 GHz radio frequency adapter as per your requirements.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		67	GHz
Impedance		50		Ohms
VSWR			1.3:1	
Insertion Loss			0.654	dB
Operating Voltage (AC)			350	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:
Insertion loss is $\approx .08 \times \sqrt{\text{FGHz}}$ dB

Mechanical Specifications

Size

Length	0.35 in [8.99 mm]
Width	0.35 in [8.99 mm]
Height	0.84 in [21.21 mm]
Weight	0.11 lbs [49.90 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	1,000	1,000

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	1.35mm Female		1.85mm Male	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Insulation	PEI		PEI	
Outer Conductor	Passivated Stainless Steel		Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range	-65 to +165 °C
Shock	Per MIL-STD-202, Method 213, Test Condition I
Vibration	Per MIL-STD-202, Method 204, Test Condition D
Salt Spray	Per MIL-STD-202, Method 101, Test Condition B, Solution 5%

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

Plotted and Other Data

1.35mm Female to 1.85mm Male Adapter, Engineering 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: [1.35mm Female to 1.85mm Male Adapter, Engineering Grade FMAD10016](#)

URL: <https://www.fairviewmicrowave.com/1.35mm-female-to-1.85mm-male-adapter-with-passivated-stainless-steel-body-fmad10016-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

FMAD10016 CAD Drawing
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