

1.85mm Male (Plug) to 1.85mm Female (Jack)
Adapter, 45 Degree Angle, 67GHz, VSWR 1.35



FMAD1585

Configuration

- 1.85mm Male Connector 1
- 1.85mm Female Connector 2
- 50 Ohm
- 45 Degree Body Geometry

Features

- VSWR of 1.35:1 max up to 67 GHz
- Gold over Nickel Plated Beryllium Copper Contact

Applications

- General Purpose Test

Description

1.85 mm adapter FMAD1585 from Fairview Microwave is part of a very large selection of in-stock interconnect RF components. Our 1.85 mm to 1.85 mm adapter is a coaxial adapter design with a 50 Ohm impedance. This 50 Ohm 1.85 mm adapter is manufactured to precise RF adapter specifications and has a maximum VSWR of 1.350.

Our in-series connection type RF adapter, which operates to 67 GHz makes connections in tight spaces easier. This passivated stainless steel RF adapter can be used to make connections between two connector types that would not otherwise mate. This 1.85 mm adapter contains beryllium copper contacts with gold over nickel contact plating.

This 1.85 mm to 1.85 mm adapter is constructed with male gender on side 1 and female on side 2. FMAD1585 1.85 mm male to 1.85 mm female coaxial adapter from Fairview has a 45-degree angled body ideal for routing RF/Microwave signals in tight spaces . Additionally, RF adapters can be utilized to protect connectors on expensive equipment where the number of connect and disconnect cycles is high.

Fairview 1.85 mm male to 1.85 mm female adapter is part of over one million RF microwave and millimeter wave components in stock. 45-degree angle RF 1.85 mm adapter is ready for same day purchase and shipping worldwide. We also stock and/or custom build 1.85 mm coaxial cables that ship quickly from our facility for all your RF adapter component needs.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		67	GHz
Impedance		50 Ohm		
VSWR			1.35:1	
Insertion Loss			0.573	dB

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 4	4 to 8	8 to 15	15 to 35	35 to 67	GHz
Insertion Loss, Max	0.14	0.198	0.271	0.414	0.573	dB

Mechanical Specifications

Size

- Length 0.93 in [23.62 mm]
- Width 0.31 in [7.87 mm]
- Height 0.58 in [14.73 mm]

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Weight	0.13 lbs [58.97 g]
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Description	Connector 1	Connector 2
Type	1.85mm Male	1.85mm Female
Polarity	Standard	Standard

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	1.85mm Male		1.85mm Female	
Contact	Beryllium Copper	Gold over Nickel	Beryllium Copper	Gold over Nickel
Outer Conductor			Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel			

Environmental Specifications

Temperature

Operating Range	-55 to 105 °C
Humidity	MIL-STD-202, Method 206
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

1.85mm Male (Plug) to 1.85mm Female (Jack) Adapter, 45 Degree Angle, 67GHz, VSWR 1.35 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.

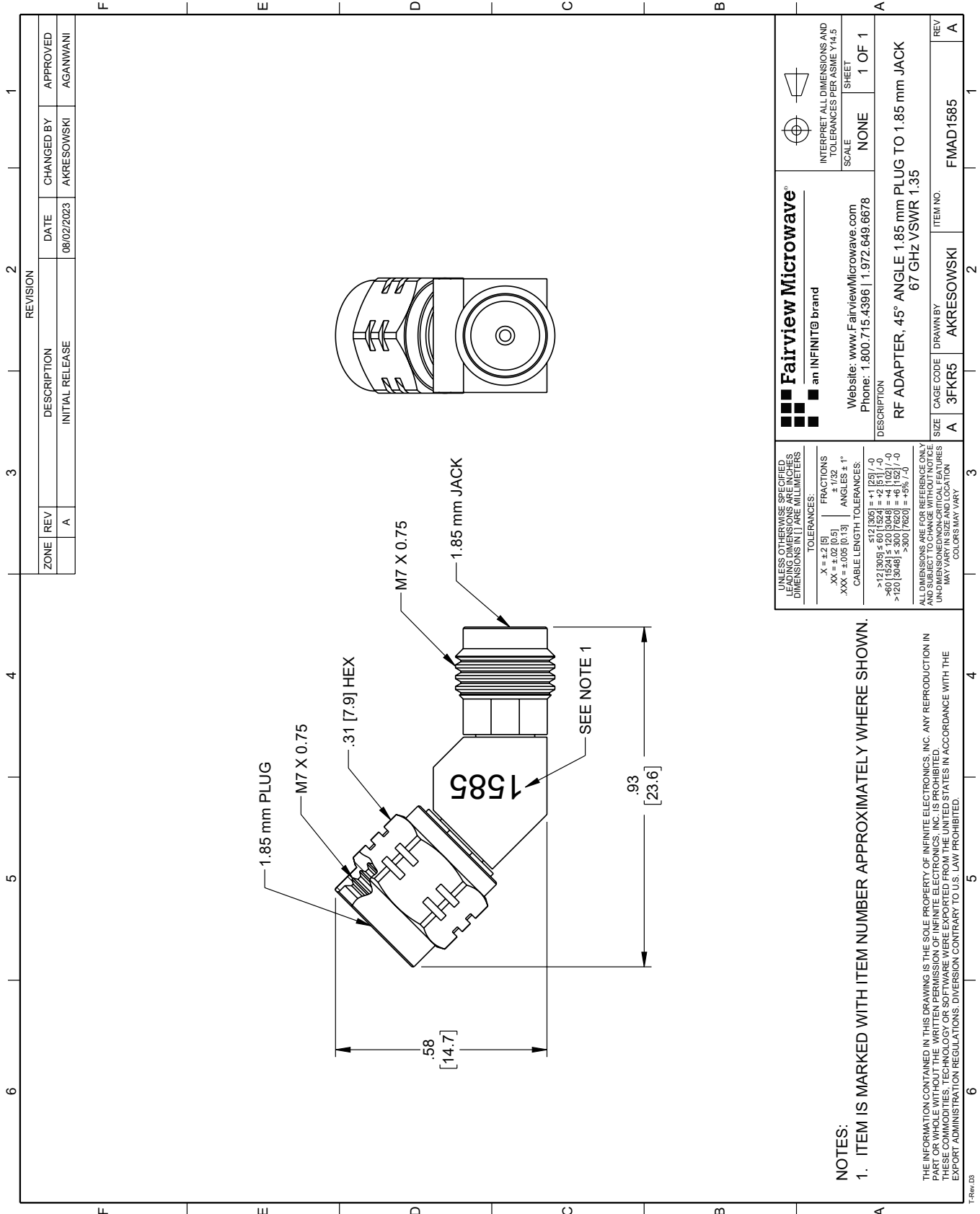
For additional information on this product, please click the following link: [1.85mm Male \(Plug\) to 1.85mm Female \(Jack\) Adapter, 45 Degree Angle, 67GHz, VSWR 1.35 FMAD1585](#)

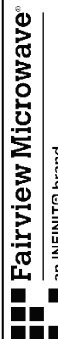
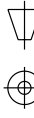
URL: <https://www.fairviewmicrowave.com/angle-undefined-1.85mm-male-to-1.85mm-female-adapter-mil-std-202-method-206-with-passivated-stainless-steel-body-fmad1585-p.aspx>

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.

FMAD1585 CAD Drawing

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 Fairview Microwave® an INFINIT@ brand		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678		DESCRIPTION: RF ADAPTER, 45° ANGLE 1.85 mm PLUG TO 1.85 mm JACK 67 GHz VSWR 1.35
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.	TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]	FRACTIONS ± 1/32 ANGLES ± 1°
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	CABLE LENGTH TOLERANCES: <12 [305] ±.60 [15.24] = +.1 [2.5] / -0 >12 [305] ±.60 [15.24] = +.4 [10.27] / -0 >40 [1024] ±.126 [3.048] = +.4 [10.27] / -0 >120 [3048] ±.300 [7.620] = +.5% / -0	CAGE CODE: 3FKR5 DRAWN BY: AKRESOWSKI ITEM NO.: FMAD1585

NOTES:

- ITEM IS MARKED WITH ITEM NUMBER APPROXIMATELY WHERE SHOWN.

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