

SMA Male (Plug) to U.FL Jack (Female) Adapter,
Gold Plated Brass Body, 1.3 VSWR



SM9854

Configuration

- SMA Male Connector 1
- U.FL Jack Connector 2
- 50 Ohms Impedance
- Straight Body Geometry

Features

- VSWR of 1.3:1 max up to 6 GHz
- SMA interface meets MIL-STD-348A
- U.FL interface meets MIL-STD-348A
- 50 μin minimum contact plating
- Gold Plated Brass Contact

Applications

- Enables Between Series Connections
- General Purpose Test

Description

SMA male to U.FL jack adapter part number SM9854 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to U.FL adapter has a male to jack gender configuration. SM9854 SMA male to U.FL jack adapter operates to 6 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors.

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		6	GHz
Impedance		50		Ohms
VSWR			1.3:1	
Operating Voltage (AC)			100	Vrms

Electrical Specification Notes:
Values at 25°C, sea level.

Mechanical Specifications

Size

Length	0.42 in [10.69 mm]
Width	0.32 in [8.00 mm]
Height	0.32 in [8.00 mm]
Weight	0.01 lbs [4.08 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard

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Description	Connector 1	Connector 2
Interface Specification	MIL-STD-348A	MIL-STD-348A
Hex Size	5/16 inch	
Mating Torque	3 to 5 in-lbs 0.34 to 0.57 Nm	

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		U.FL Jack	
Contact	Brass	Gold 50 µin minimum	Brass	Gold 50 µin minimum
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Gold 3 µin minimum
Body	Brass	Gold 3 µin minimum		
Coupling Nut	Brass	Gold 3 µin minimum		

Environmental Specifications

Temperature Operating Range	-40 to +90 °C
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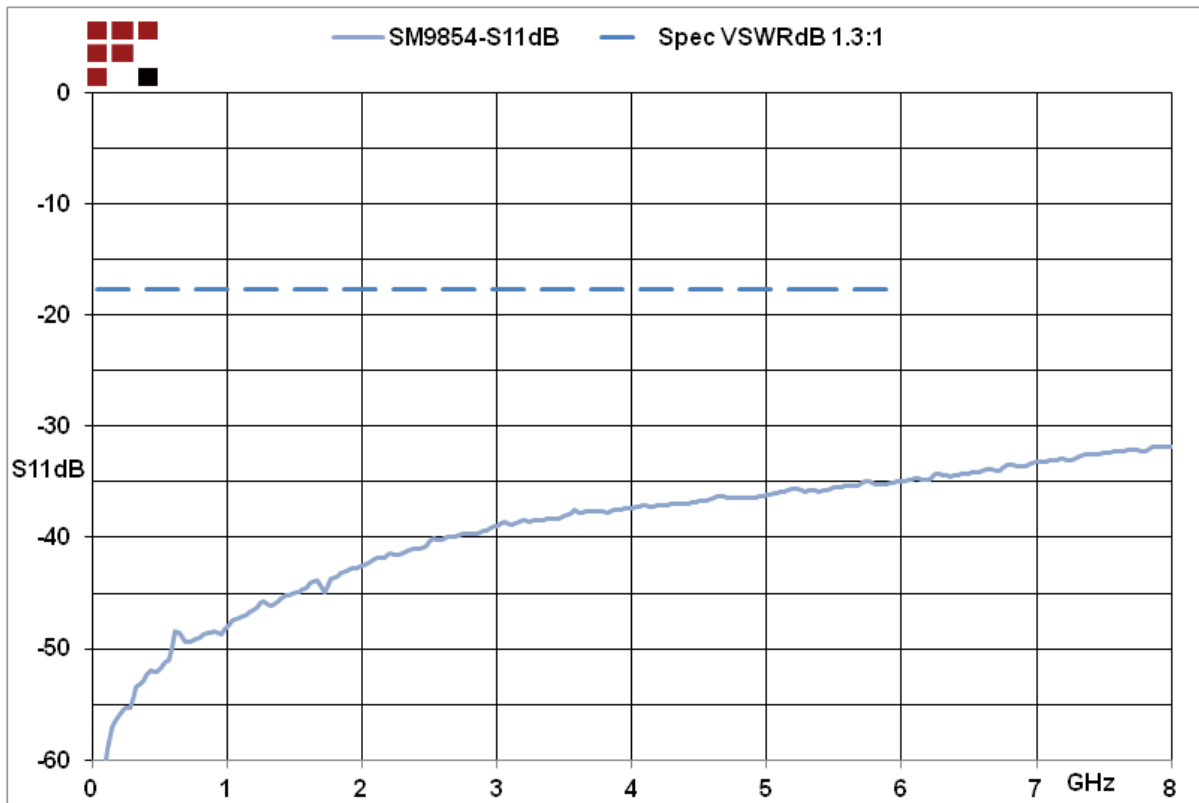


SM9854

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

Plotted and Other Data

Typical Performance Data



SMA Male (Plug) to U.FL Jack (Female) Adapter, Gold Plated Brass Body, 1.3 VSWR 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.

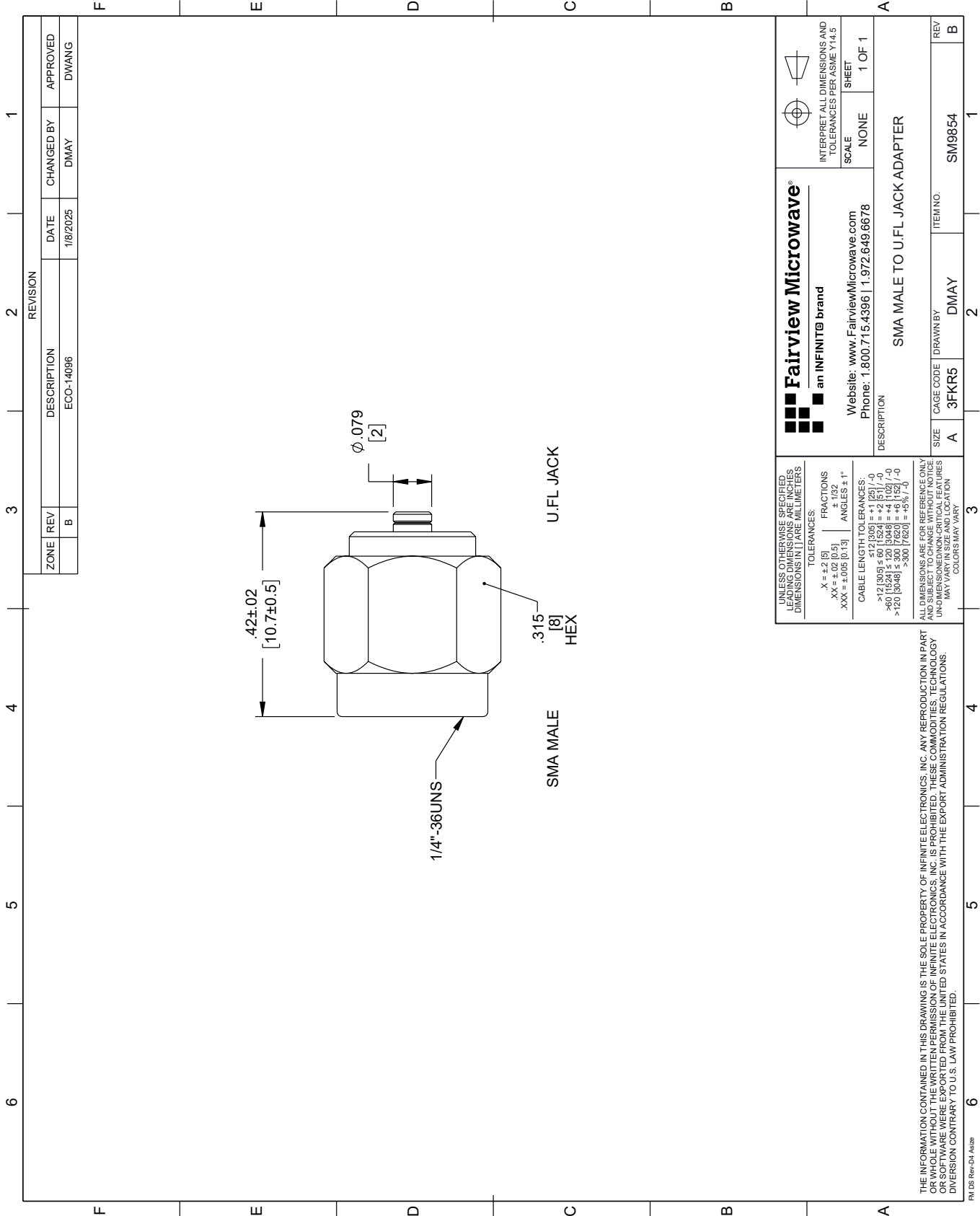
For additional information on this product, please click the following link: [SMA Male \(Plug\) to U.FL Jack \(Female\) Adapter, Gold Plated Brass Body, 1.3 VSWR SM9854](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/sma-male-ufl-jack-adapter-sm9854.html>

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.

SM9854 CAD Drawing

SMA Male (Plug) to U.FL Jack (Female) Adapter, Gold Plated Brass Body, 1.3 VSWR



REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	ECO-14096	DMAY	DWANG
	B				

 Fairview Microwave® an INFINITIB® brand		Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS ARE IN MILLIMETERS.		TOLERANCES: .X = ±.2 [5] FRACTIONS ± 1/32 .XX = ±.02 [0.5] ANGLES ± 1° .XXX = ±.005 [0.13]	CAGE CODE: DMAY ITEM NO.: SM9854
CABLE LENGTH TOLERANCES: >12 [305] ≤ 60 [1524] = ±.1 [25] / -0 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0 >120 [3048] ≤ 300 [7620] = ±.8 [20] / -0		DESCRIPTION: SMA MALE TO U.FL JACK ADAPTER	
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		SIZE: A CAGE CODE: 3FKR5 DRAWN BY: DMAY	REV: B

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