

## 2.92mm Female (Jack) to 1.85mm Male (Plug) Adapter , 1.25 VSWR



### SM3960

#### Configuration

- 2.92mm Female Connector 1
- 1.85mm Male Connector 2
- 50 Ohm
- Straight Body Geometry

#### Features

- VSWR of 1.25:1 max up to 40 GHz
- Contact plating according to MIL-G-45204
- Gold over Nickel Plated Beryllium Copper Contact

#### Applications

- Enables Between Series Connections
- General Purpose Test

#### Description

2.92mm female to 1.85mm male adapter part number SM3960 from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to 1.85mm adapter has a female to male gender configuration. SM3960 2.92mm female to 1.85mm male adapter operates to 40 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 maximum. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. The 1.85mm connector mates mechanically with commercially available 2.4mm 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		40	GHz
Impedance		50 Ohm		
VSWR			1.25:1	

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

#### Mechanical Specifications

##### Size

Length	0.75 in [19.05 mm]
Width	4.75 in [120.65 mm]
Height	0.35 in [8.89 mm]
Weight	0.01 lbs [5.22 g]

Description	Connector 1	Connector 2
Type	2.92mm Female	1.85mm Male
Polarity	Standard	Standard
Mating Cycles, Min	500	500

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**SM3960**

Description	Connector 1	Connector 2
Mating Torque		8 to 10 in-lbs 0.90 to 1.13 Nm

**Material Specifications**

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	2.92mm Female		1.85mm Male	
Contact	Beryllium Copper	Gold over Nickel MIL-G-45204	Beryllium Copper	Gold over Nickel MIL-G-45204
Insulation	Oxide-Noryl		Oxide-Noryl	
Outer Conductor	Passivated Stainless Steel	ASTM A380		
Body			Passivated Stainless Steel	ASTM A380
Coupling Nut			Passivated Stainless Steel	ASTM A380

**Environmental Specifications**

**Temperature**

Operating Range

Vibration

Salt Spray

-55 to +100 °C

MIL-STD-202, Method 204, Condition D (20 G's)

MIL-STD-202, Method 101, Condition B, 5% salt solution

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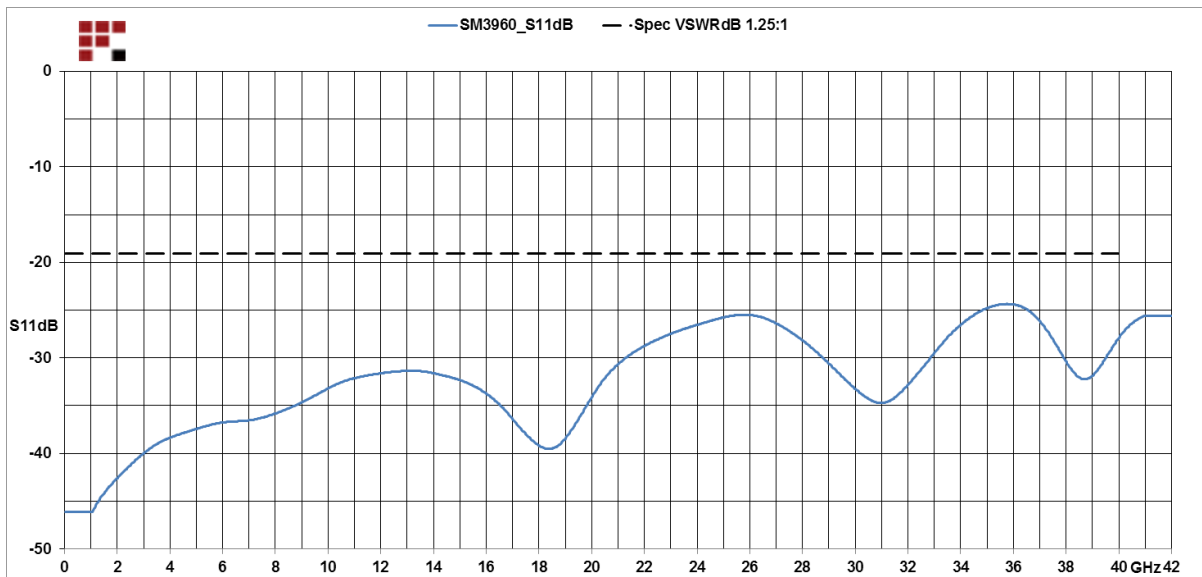


**SM3960**

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

**Plotted and Other Data**

**Typical Performance Data**



2.92mm Female (Jack) to 1.85mm Male (Plug) Adapter , 1.25 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.

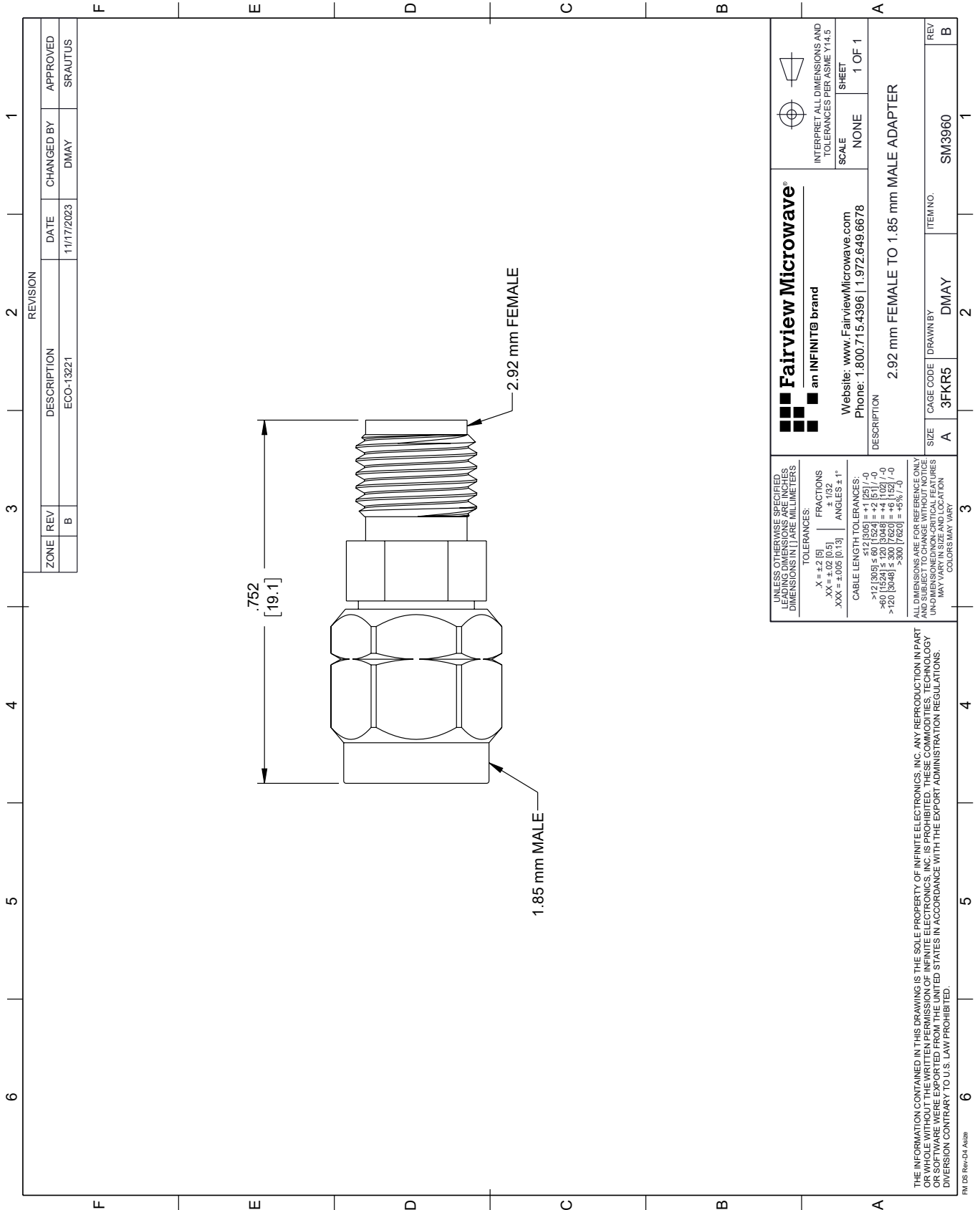
For additional information on this product, please click the following link: [2.92mm Female \(Jack\) to 1.85mm Male \(Plug\) Adapter , 1.25 VSWR SM3960](#)

URL: <https://www.fairviewmicrowave.com/2.92mm-female-1.85mm-male-adapter-sm3960-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.

# SM3960 CAD Drawing

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REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	ECO-13221	DMAY	SRAUTUS
	B				

 <b>Fairview Microwave®</b> an INFINIT® brand		Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> 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, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS. TOLERANCES: .X = ±.2 [5]      FRACTIONS ± 1/32 .XX = ±.02 [0.5]      ANGLES ± 1° .XXX = ±.005 [0.13]		CAGE CODE: 3FKR5 DRAWN BY: DMAY ITEM NO.: SM3960	REV: B
CABLE LENGTH TOLERANCES: >12 [305] ≤ 60 [1524] = ±.1 [25] / -0 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0 >120 [3048] ≤ 300 [7620] = ±.6 [152] / -0		DESCRIPTION: 2.92 mm FEMALE TO 1.85 mm MALE ADAPTER	SIZE: A CAGE CODE: 3FKR5 DRAWN BY: DMAY ITEM NO.: SM3960
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.	