

## 1.85mm Male to 1.85mm Female Adapter

1.85mm male to 1.85mm female adapter part number SM3937 from Fairview Microwave is in-stock and ships same day. This Fairview 1.85mm to 1.85mm adapter has a male to female gender configuration. SM3937 1.85mm male to 1.85mm female adapter operates to 65 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 maximum. The 1.85mm connector mates mechanically with commercially available 2.4mm connectors. Our 1.85mm to 1.85mm RF adapter can also be used as a connector saver to extend equipment life.

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		65	GHz
VSWR			1.3:1	

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 50	50 to 65				GHz
VSWR, Max	1.2:1	1.3:1				

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

### Mechanical Specifications

<b>Size</b>	
Length	0.817 in [20.75 mm]
Weight	0.013 lbs [5.9 g]

Description	Connector 1	Connector 2
Type	1.85mm Male	1.85mm Female
Polarity	Standard	Standard
Interface Specification	IEC 169	IEC 169
Mating Cycles	500	500
Hex Size	5/16 inch	
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]	



### Configuration:

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

### Features:

- VSWR of 1.3:1 max up to 65 GHz
- 1.85mm interface meets IEC 169
- Contact plating according to MIL-G-45204
- Gold Plated Contact

### Applications:

- Connector Saver
- General Purpose Test

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**Material Specifications**

Description	Connector 1	Connector 2
Type	1.85mm Male	1.85mm Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold	Gold
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Insulation Material	PEI/PCTFE	PEI/PCTFE
Outer Contact Material		Passivated Stainless Steel
Outer Conductor Contact Spec.		QQ-P-35
Body Material	Passivated Stainless Steel	
Body Plating Spec.	QQ-P-35	
Coupling Nut Material	Passivated Stainless Steel	
Coupling Nut Plating Spec.	QQ-P-35	

**Environmental Specifications**

**Temperature**

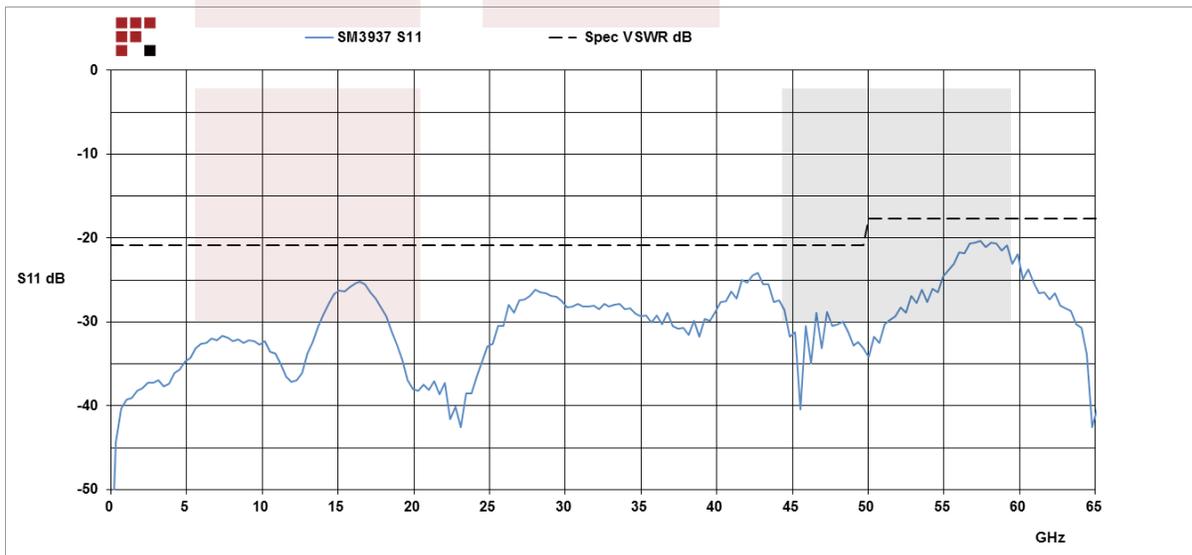
Operating Range -55 to +165 deg C

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**

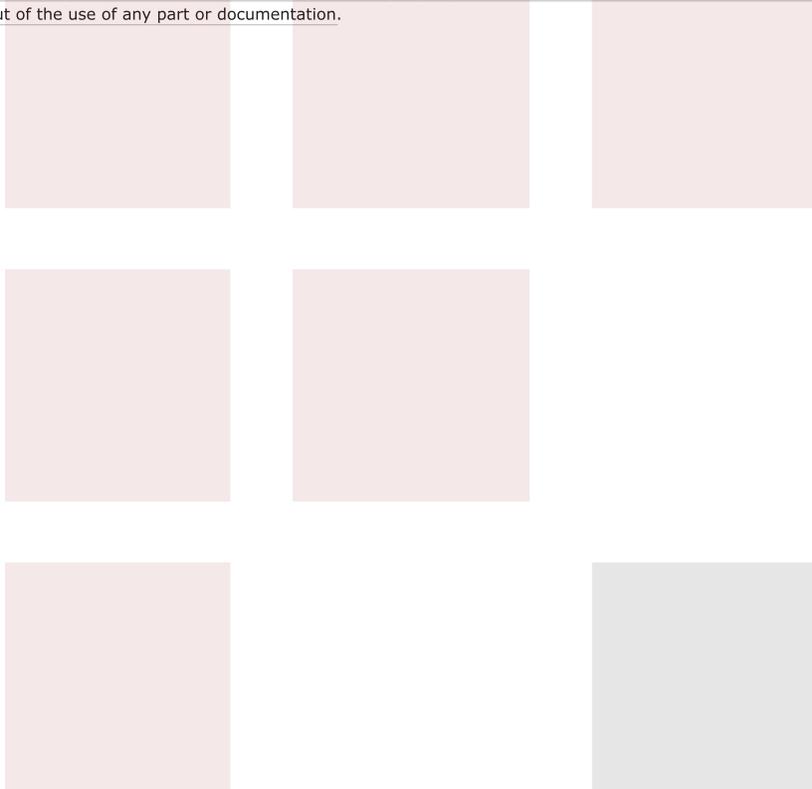


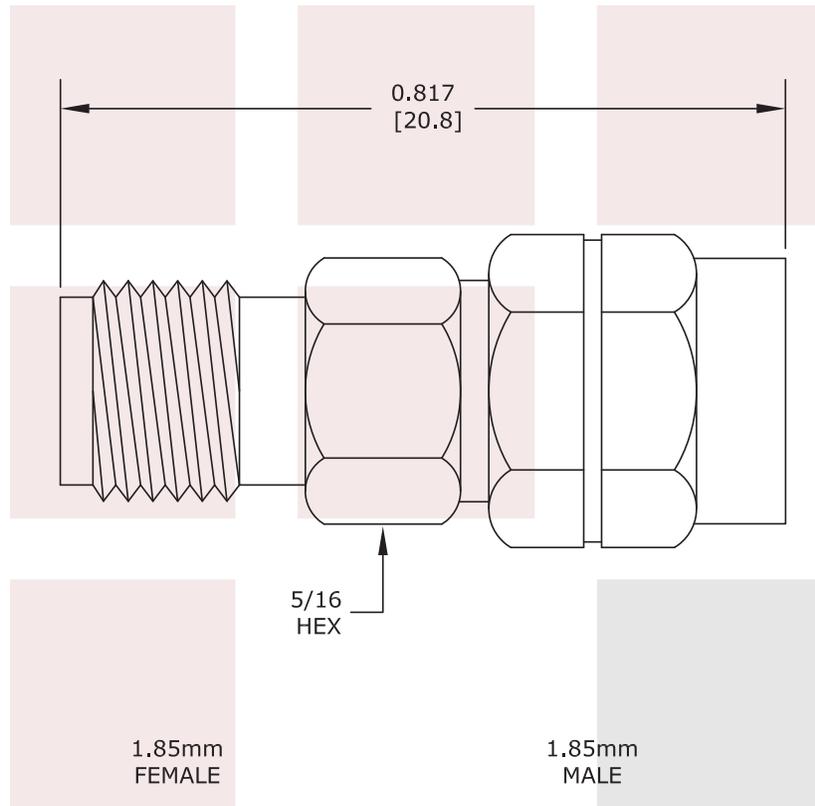
1.85mm Male to 1.85mm Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [1.85mm Male to 1.85mm Female Adapter SM3937](#)

URL: <https://www.fairviewmicrowave.com/1.85mm-male-1.85mm-female-adapter-sm3937-p.aspx>

The information contained in 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 any liability arising out of the use of any part or documentation.





<b>FAIRVIEW MICROWAVE INC.</b> ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE 1.85mm Male to 1.85mm Female Adapter		DWG NO SM3937		CAGE CODE 3FKR5	
CAD FILE	120815	SHEET	SCALE	N/A	SIZE A 150