

1.85mm Male to 1.85mm Female Adapter

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				

Mechanical Specifications

Size	
Length	0.817 in [20.75 mm]
Weight	0.01102 lbs [5 g]

Description	Connector 1	Connector 2
Type	1.85mm Male	1.85mm Female
Polarity	Standard	Standard
Mating Cycles	500	500
Hex Size	5/16 inch	5/16 inch
Mating Torque	8 in-lbs max [0.90 Nm] max	8 in-lbs max [0.90 Nm] max

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	KEL-F	KEL-F
Body Material	Stainless Steel	Stainless Steel
Body Plating	Passivated	Passivated

Environmental Specifications

Temperature

Operating Range	-55 to +100 deg C
Vibration	MIL-STD 202

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant	
REACH Compliant	12/17/2014



Configuration:

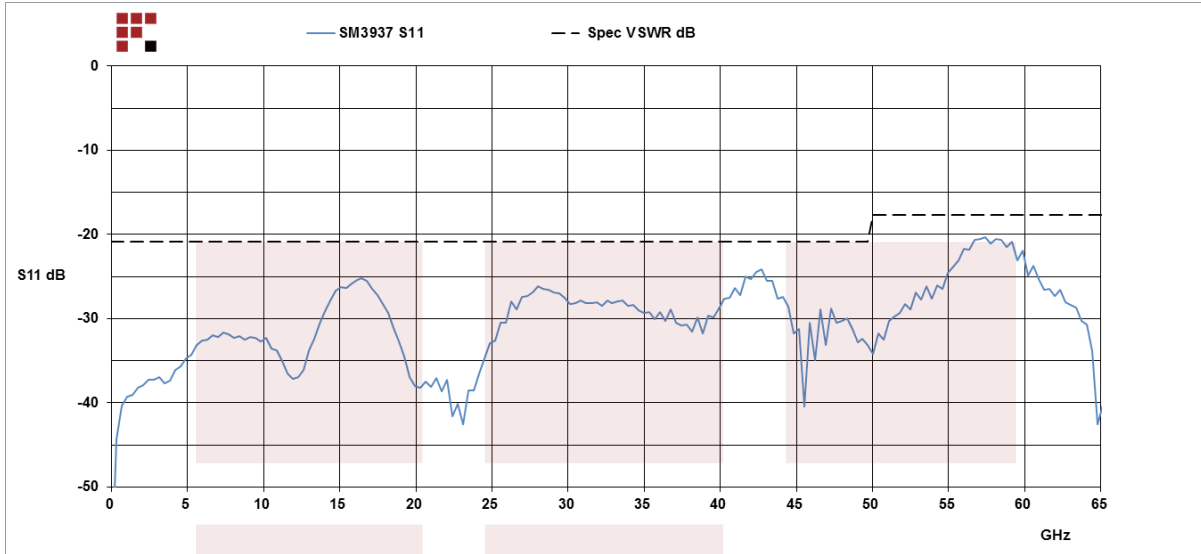
- 1.85mm Male Connector 1
- 1.85mm Female Connector 2
- 50 Ohms
- Straight Body Geometry

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Plotted and Other Data

Notes:

Typical Performance Data

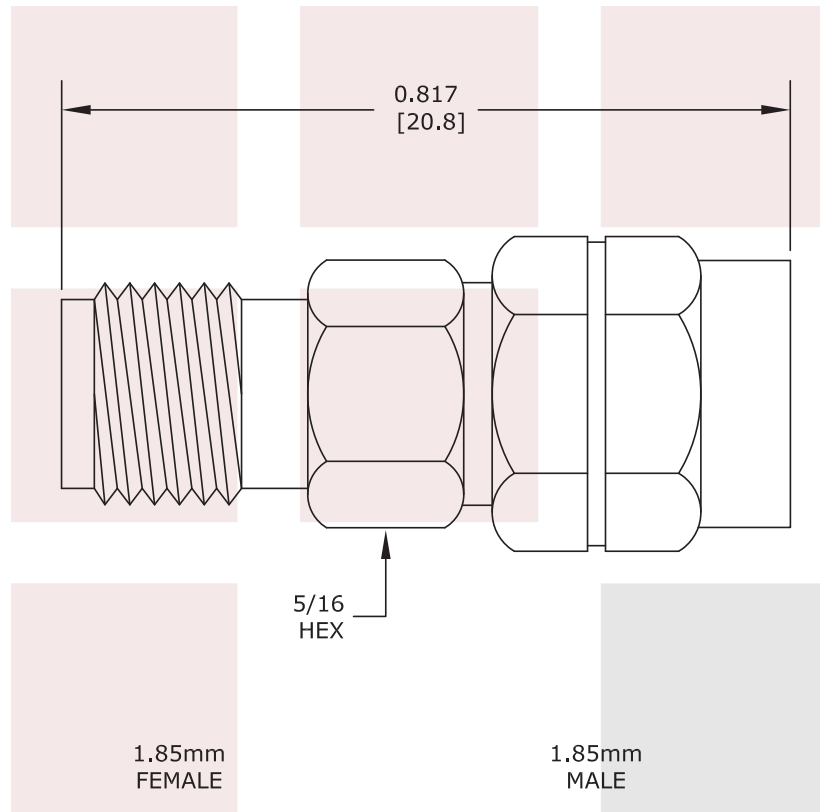


1.85mm Male to 1.85mm Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

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

URL: <http://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.



FAIRVIEW MICROWAVE INC. 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