

Low PIM 7/16 DIN Female to 7/16 DIN Female Adapter Low VSWR

Electrical Specifications

Frequency Range	DC to 8 GHz
Maximum VSWR	1.2:1
Dielectric Withstanding Voltage	3,500 Vrms
Maximum Passive Intermodulation (2 x 20 Watts)	-170 dBc

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 1	1 to 5	5 to 8			GHz
VSWR	1.03:1	1.08:1	1.2:1			
Return Loss	38	28	21			dB

Mechanical Specifications

Size

Length	1.25 in [31.75 mm]
Width	1.14 in [28.96 mm]
Weight	0.22 lbs [99.79 g]

Connector 1

Type	7/16 DIN Female
Mating Cycles	500
Inner Conductor Material and Plating	Beryllium Copper, Silver
Inner Conductor Plating Specification	200 [5] μ in. [μ m] minimum
Body Material and Plating	Brass, Tri-Metal
Body Plating Specification	100 [2.54] μ in. [μ m] minimum

Dielectric Type

PTFE

Connector 2

Type	7/16 DIN Female
Mating Cycles	500
Inner Conductor Material and Plating	Beryllium Copper, Silver
Inner Conductor Plating Specification	200 [5] μ in. [μ m] minimum
Body Material and Plating	Brass, Tri-Metal
Body Plating Specification	100 [2.54] μ in. [μ m] minimum

Dielectric Type

PTFE

Environmental Specifications

Temperature

Operating Range	-55 to +155 deg C
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Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant	Yes
REACH Compliant	06/16/2014

Plotted and Other Data

Notes:

- Values at 25 °C, sea level

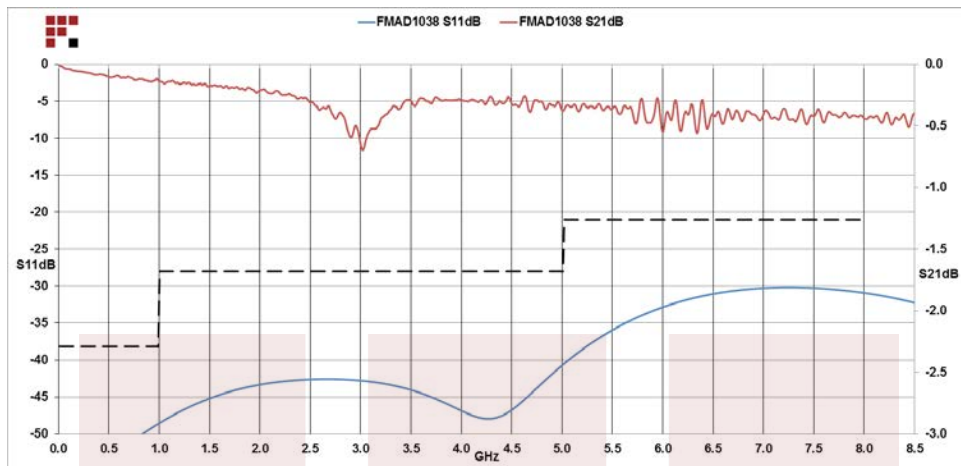


Features:

- Connector 1: 7/16 DIN Female
- Impedance 1: 50 Ohms
- Connector Specification 1: IEC 169-4 (0.232 dia. Enhancement)
- Connector 2: 7/16 DIN Female
- Impedance 2: 50 Ohms
- Connector Specification 2: IEC 169-4 (0.232 dia. Enhancement)
- Adapter Design: Low PIM
- Body Style: Straight
- Low PIM: -170 dBc

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Typical Performance Data

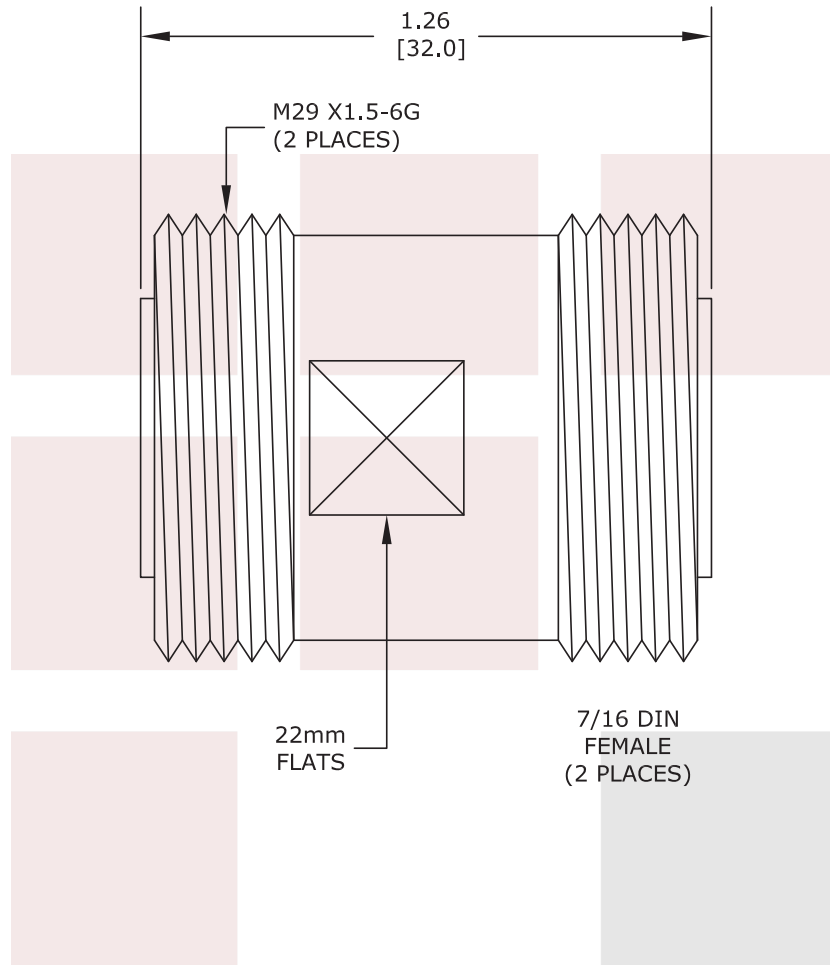


Low PIM 7/16 DIN Female to 7/16 DIN Female Adapter Low VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Low PIM 7/16 DIN Female to 7/16 DIN Female Adapter Low VSWR FMAD1038](#)

URL: <http://www.fairviewmicrowave.com/low-pim-7-16-female-7-16-female-adapter-fmad1038-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.



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TITLE Low PIM 7/16 DIN Female to 7/16 DIN Female Adapter Low VSWR		DWG NO FMAD1038		CAGE CODE 3FKR5	
		CAD FILE 021915	SHEET	SCALE N/A	SIZE A 2233