

**Low PIM N Male to 7/16 DIN Male Adapter**  
**Low VSWR**

**Electrical Specifications**

Frequency Range	DC to 8 GHz
Maximum VSWR	1.3:1
Dielectric Withstanding Voltage	1,000 Vrms
Maximum Passive Intermodulation (2 x 20 Watts)	-165 dBc

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Range	DC to 1	1 to 4	4 to 8			GHz
VSWR	1.06:1	1.15:1	1.3:1			
Return Loss	30	23	17			dB

**Mechanical Specifications**

**Size**

Length	1.95 in [49.53 mm]
Width	1.25 in [31.75 mm]
Weight	0.29 lbs [131.54 g]

**Connector 1**

Type	N Male
Mating Cycles	500
Inner Conductor Material and Plating	Brass, Silver
Inner Conductor Plating Specification	200 [5] $\mu$ in. [ $\mu$ m] minimum
Coupling Nut Material and Plating	Brass, Tri-Metal
Coupling Nut Plating Specification	100 [2.54] $\mu$ in. [ $\mu$ m] minimum

Hex Size	21 mm
Torque	15 in-lbs [1.7 Nm]
Body Material and Plating	Brass, Tri-Metal
Body Plating Specification	100 [2.54] $\mu$ in. [ $\mu$ m] minimum
Dielectric Type	PTFE

**Connector 2**

Type	7/16 DIN Male
Mating Cycles	500
Inner Conductor Material and Plating	Brass, Silver
Inner Conductor Plating Specification	200 [5] $\mu$ in. [ $\mu$ m] minimum
Coupling Nut Material and Plating	Brass, Tri-Metal
Coupling Nut Plating Specification	100 [2.54] $\mu$ in. [ $\mu$ m] minimum

Hex Size	32 mm
Torque	18.417 ft-lbs [24.97 Nm]
Body Material and Plating	Brass, Tri-Metal
Body Plating Specification	100 [2.54] $\mu$ in. [ $\mu$ m] minimum
Dielectric Type	PTFE

**Environmental Specifications**

**Temperature**

Operating Range	-55 to +155 deg C
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**Features:**

- Connector 1: N Male
- Impedance 1: 50 Ohms
- Connector Specification 1: MIL-STD-348
- Connector 2: 7/16 DIN Male
- Impedance 2: 50 Ohms
- Connector Specification 2: IEC 169-4 (0.232 dia. Enhancement)
- Adapter Design: Low PIM
- Body Style: Straight
- Low PIM: -165 dBc

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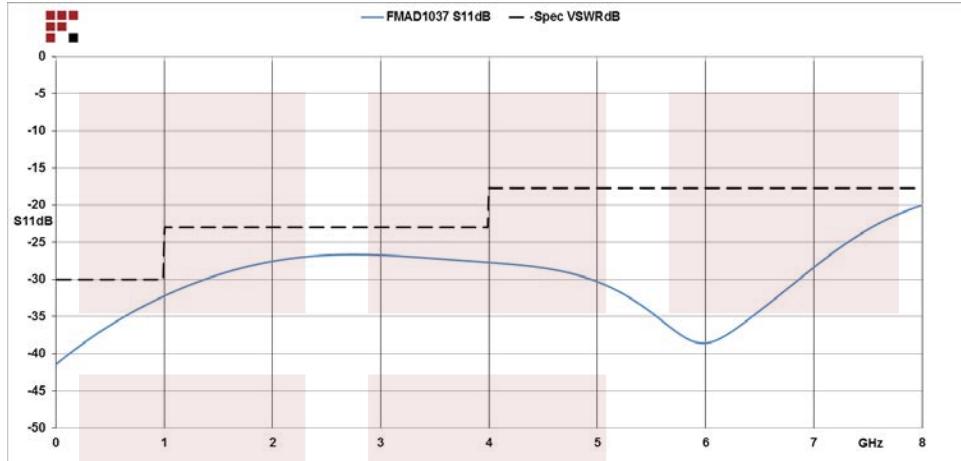
**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

RoHS Compliant Yes  
 REACH Compliant 06/16/2014

**Plotted and Other Data**

Notes:  
 • Values at 25 °C, sea level

**Typical Performance Data**

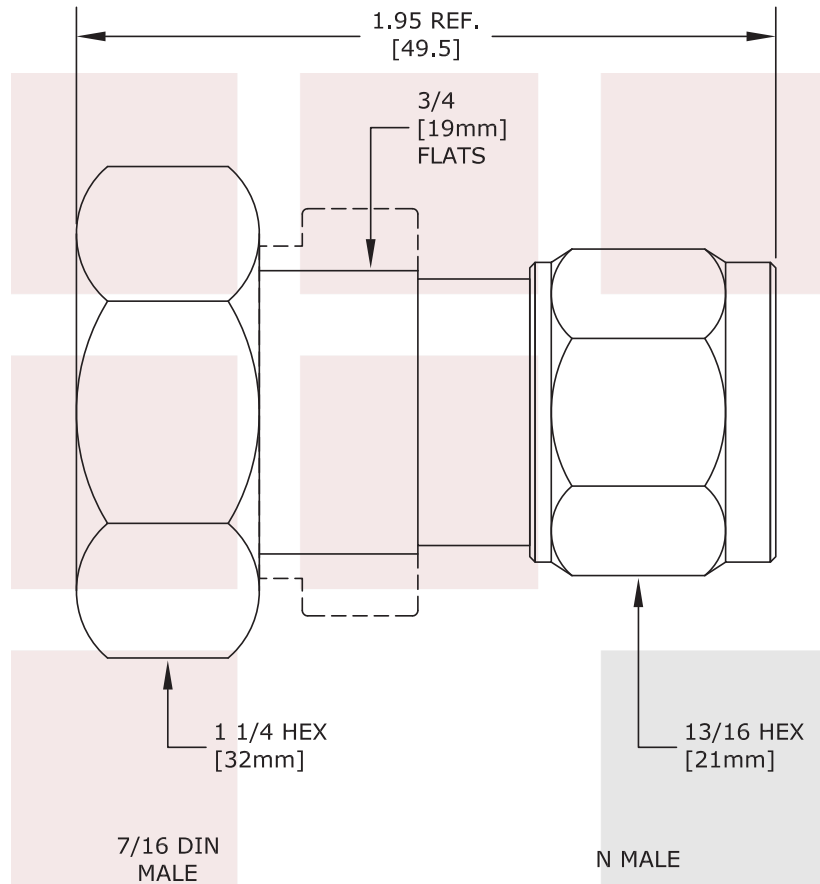


Low PIM N Male to 7/16 DIN Male Adapter Low VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Low PIM N Male to 7/16 DIN Male Adapter Low VSWR FMAD1037](#)

URL: <http://www.fairviewmicrowave.com/low-pim-n-male-7-16-male-adapter-fmad1037-p.aspx>

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TITLE Low PIM N Male to 7/16 DIN Male Adapter Low VSWR		DWG NO FMAD1037		CAGE CODE 3FKR5	
CAD FILE	021115	SHEET	SCALE	N/A	SIZE A 2233