

Low PIM N Male to N Male Adapter Low VSWR

Low PIM type N male to type N male adapter part number FMAD1033 from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N adapter has a male to male gender configuration in a low PIM design. FMAD1033 type N male to type N male adapter operates to 12.4 GHz. The Fairview Microwave RF adapter provides a passive intermodulation of -165 dBc maximum.

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		12.4	GHz
Return Loss			-18	dB
Passive Intermodulation			-165	dBc
DWV (AC)			2,500	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2	2 to 12.4				GHz
Return Loss, Max	-28	-18				dB

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

Mechanical Specifications

Size	
Length	1.6 in [40.64 mm]
Width	0.86 in [21.84 mm]
Weight	0.14 lbs [63.5 g]

Description	Connector 1	Connector 2
Type	N Male	N Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348
Mating Cycles	500	500
Hex Size	21 mm	21 mm



Configuration:

- N Male Connector 1
- N Male Connector 2
- 50 Ohm
- Low PIM Design
- Straight Body Geometry

Features:

- PIM levels better than -165 dBc
- Type N interface meets MIL-STD-348
- 200 μin minimum contact plating
- Silver Plated Brass Contact

Applications:

- General Purpose Test
- Low PIM Applications

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Material Specifications

Description	Connector 1	Connector 2
Type	N Male	N Male
Contact Material	Brass	Brass
Contact Plating	Silver	Silver
Contact Plating Spec.	200 µin minimum	200 µin minimum
Insulation Material	PTFE	PTFE
Body Material	Brass	Brass
Body Plating	Tri-Metal	Tri-Metal
Body Plating Spec.	100 µin minimum	100 µin minimum
Coupling Nut Material	Brass	Brass
Coupling Nut Plating	Tri-Metal	Tri-Metal
Coupling Nut Plating Spec.	100 µin minimum	100 µin minimum

Environmental Specifications

Temperature

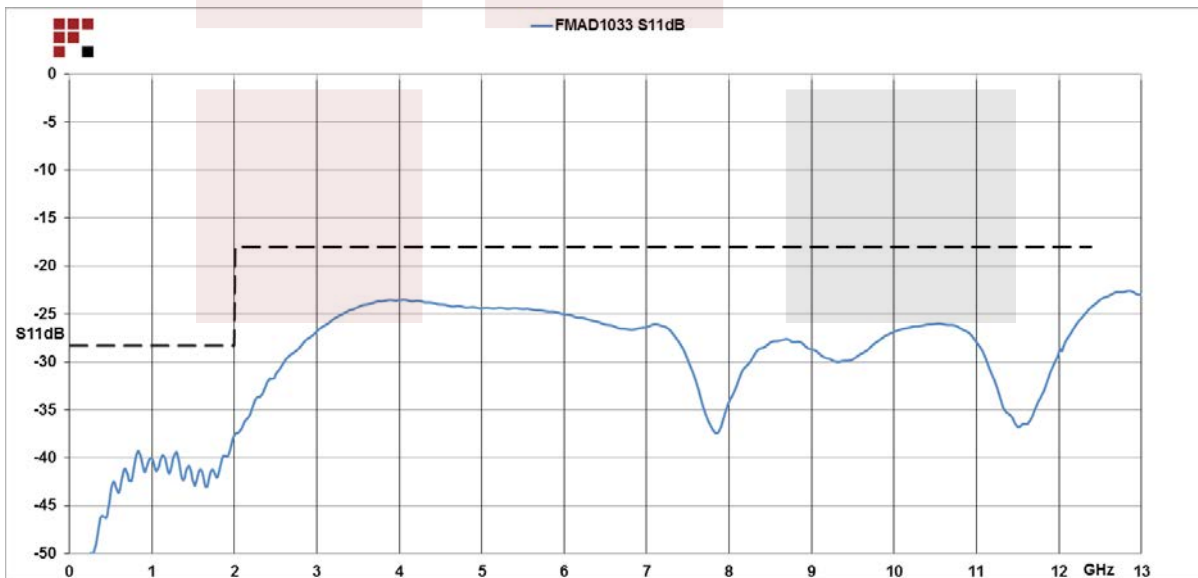
Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data



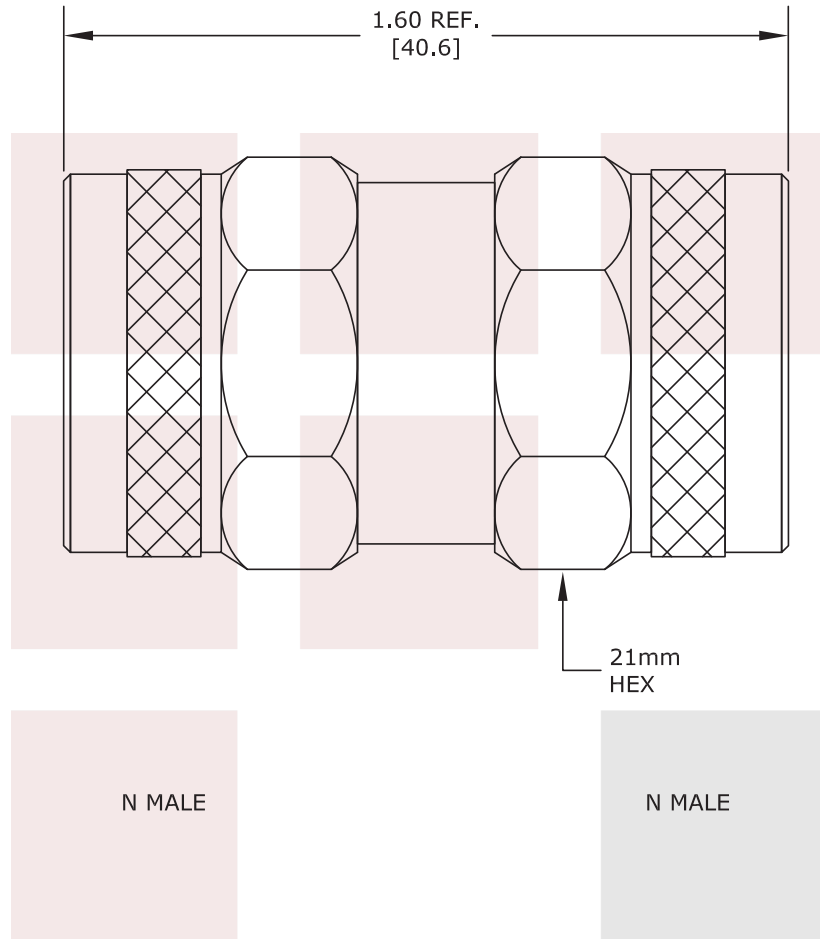
Low PIM N Male to N Male Adapter Low VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Low PIM N Male to N Male Adapter Low VSWR FMAD1033](#)

URL: <https://www.fairviewmicrowave.com/low-pim-n-male-n-male-adapter-fmad1033-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 N Male to N Male Adapter Low VSWR		DWG NO FMAD1033		CAGE CODE 3FKR5	
CAD FILE	120914	SHEET	SCALE	N/A	SIZE A 2233