



## Low PIM 4.3-10 Male to N Female Adapter

4.3-10 male to type N female adapter part number FMAD1099 from Fairview Microwave is in-stock and ships same day. This Fairview 4.3-10 to type N adapter has a male to female gender configuration in a low PIM design. FMAD1099 4.3-10 male to type N female adapter operates to 6 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.08:1 maximum and passive intermodulation of -166 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	Тур	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.08:1	
Insertion Loss			0.13	dB
Passive Intermodulation			-166	dBc
Operating Voltage (AC)			1,000	Vrms
DWV (AC)			2,000	Vrms
Insulation Resistance	5,000			MOhms

#### **Mechanical Specifications**

Size Length Width Weight

1.38 in [35.05 mm] 0.96 in [24.38 mm] 0.12 lbs [54.43 g]

Description	Connector 1	Connector 2		
Туре	4.3-10 Male	N Female		
Polarity	Standard	Standard		
Mating Cycles	100	100		
Hex Size	22 mm			
Contact Retention Force, Min	6 lbs [2.72 Kg]	6 lbs [2.72 Kg]		



# **Configuration:**

- 4.3-10 Male Connector 1
- N Female Connector 2
- 50 Ohm
- · Low PIM Design
- Straight Body Geometry

### **Features:**

- VSWR of 1.08:1 max up to 6 GHz
- PIM levels better than -166 dBc
- Silver Plated Bronze Contact
- Low Coupling Torque
- Corrosion Resistant Tri-Metal Finish

# **Applications:**

- Enables Between Series Connections
- General Purpose Test
- Low PIM Applications
- Mobile Communications Systems
- Base Stations
- Distributed Antenna Systems (DAS)
- Small Cells
- Feeder Cables

Fairview Microwave 1130 Junction Dr. #100 Allen, TX 75013 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com





### **Material Specifications**

Description	Connector 1	Connector 2		
Туре	4.3-10 Male N Female			
Contact Material	Bronze	Bronze		
Contact Plating	Silver	Silver		
Insulation Material	PTFE	PTFE		
Outer Contact Material		Brass		
Outer Contact Plating		Tri-Metal		
Body Material	Brass	Brass		
Body Plating	Tri-Metal	Tri-Metal		
Gasket Material	Silicone			
Coupling Nut Material	Brass			
Coupling Nut Plating	Tri-Metal			

#### **Environmental Specifications**

**Temperature** 

Operating Range

-55 to +90 deg C

**Compliance Certifications** (see product page for current document)

#### **Plotted and Other Data**

Notes:

Low PIM 4.3-10 Male to N 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: Low PIM 4.3-10 Male to N Female Adapter FMAD1099

URL: https://www.fairviewmicrowave.com/low-pim-4.3-10-male-n-female-adapter-fmad1099-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.

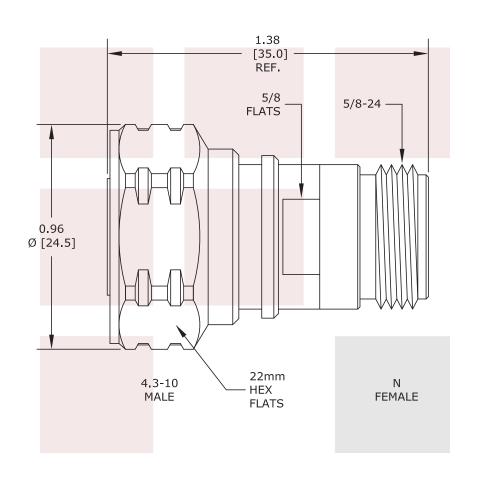
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STANDARD TOLERANCES

.X ±0.2 .XX ±0.1 .XXX ±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC.  ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM	INC.  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].					
Low PIM 4.3-10 Male to N Female Adapter	DWG NO FMAD1099			CAGE CODE 3FKR5		
	CAD FILE 110416	SHEET	SCALE	N/A	SIZE A	2233