

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

4.3-10 male to 4.3-10 female adapter part number FMAD1097 from Fairview Microwave is in-stock and ships same day. This Fairview 4.3-10 to 4.3-10 adapter has a male to female gender configuration in a low PIM design. FMAD1097 4.3-10 male to 4.3-10 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. Our 4.3-10 to 4.3-10 RF adapter can also be used as a connector saver to extend equipment life.

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		6	GHz
VSWR			1.08: 1	
Insertion Loss			0.13	dB
Passive Intermodulation			-166	dBc
Operating Voltage (AC)			1,000	Vrms
DWV (AC)			2,500	Vrms
Insulation Resistance	5,000			MOhms

### Mechanical Specifications

<b>Size</b>	
Length	1.51 in [38.35 mm]
Width	0.86 in [21.84 mm]
Weight	0.124 lbs [56.25 g]

Description	Connector 1	Connector 2
Type	4.3-10 Male	4.3-10 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
- 4.3-10 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:

- Connector Saver
- General Purpose Test
- Low PIM Applications
- Mobile Communications Systems
- Base Stations
- Distributed Antenna Systems (DAS)
- Small Cells
- Feeder Cables

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**Material Specifications**

Description	Connector 1	Connector 2
Type	4.3-10 Male	4.3-10 Female
Contact Material	Bronze	Bronze
Contact Plating	Silver	Silver
Insulation Material	PTFE	PTFE
Outer Contact Material		Bronze
Outer Contact Plating		Silver
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**

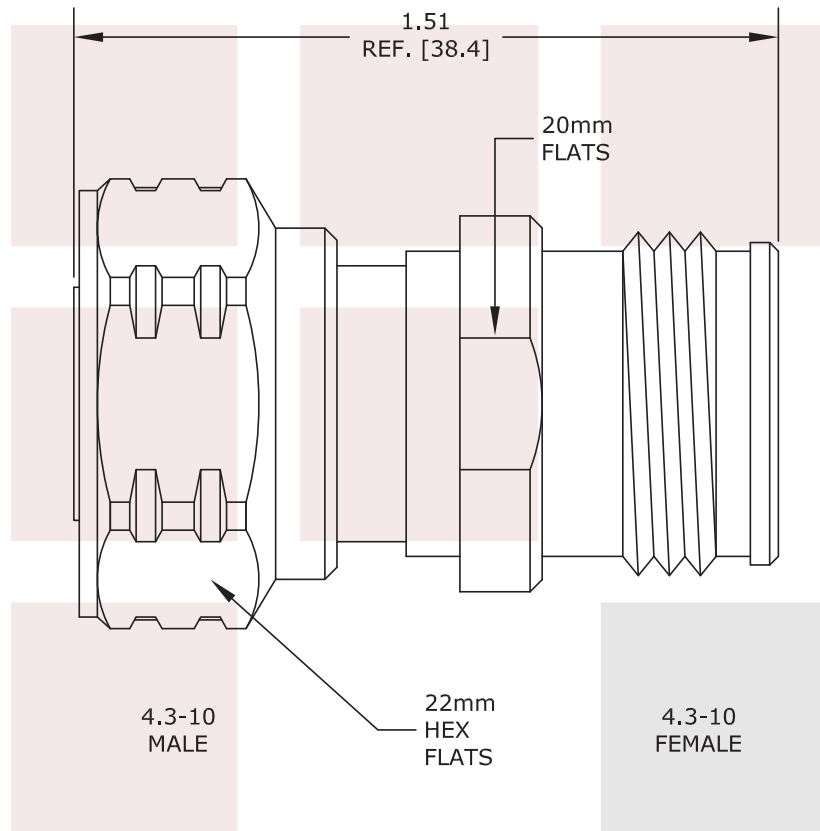
Notes:

Low PIM 4.3-10 Male to 4.3-10 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 4.3-10 Female Adapter FMAD1097](#)

URL: <https://www.fairviewmicrowave.com/low-pim-4.3-10-male-4.3-10-female-adapter-fmad1097-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.



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

<b>FAIRVIEW MICROWAVE INC.</b> 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 Low PIM 4.3-10 Male to 4.3-10 Female Adapter		DWG NO FMAD1097		CAGE CODE 3FKR5	
CAD FILE	110416	SHEET	SCALE	N/A	SIZE A 2233