

## Low PIM 4 Hole Flange N Female (Jack) to QMA Female (Jack) Adapter



### FMAD1710

#### Configuration

- N Female Connector 1
- QMA Female Connector 2
- 50 Ohm
- Low PIM Design
- Straight Body Geometry
- 4 Hole Flange Mount Method

#### Features

- Typical PIM levels of -155 dBc
- 200µ in contact plating
- Silver Plated Beryllium Copper Contact
- Max of VSWR 1.15:1 at 3GHz, Max of VSWR 1.2:1 at 6GHz

#### Applications

- Enables Between Series Connections
- General Purpose Test
- Rack Mounted Equipment
- Low PIM Applications

#### Description

4 hole flange type N female to QMA female adapter part number FMAD1710 from Fairview Microwave is in-stock and ships same day. This Fairview type N to QMA adapter has a female to female gender configuration in a low PIM design. FMAD1710 type N female to QMA female adapter operates to 6 GHz. The Fairview Microwave RF adapter provides a passive intermodulation of -155 dBc typical. Our RF type N 4 hole flange to QMA adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50 Ohm		
Passive Intermodulation		-155		dBc
Dielectric Withstanding Voltage (AC)			1,000	Vrms

#### Mechanical Specifications

##### Size

Length	1.11 in [28.20 mm]
Width	1.00 in [25.40 mm]
Height	1.00 in [25.40 mm]
Weight	0.06 lbs [28.94 g]

Description	Connector 1	Connector 2
Type	N Female	QMA Female
Polarity	Standard	Standard

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#### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Female		QMA Female	
Contact	Beryllium Copper	Silver 200μ in	Beryllium Copper	Silver 200μ in
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Tri-Metal	Brass	Tri-Metal
Body	Brass	Tri-Metal	Brass	Tri-Metal

#### Environmental Specifications

##### Temperature

Operating Range -40 to +155 °C

Environmental Specification Notes:  
IEC 61169-16

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

#### Plotted and Other Data

Low PIM 4 Hole Flange N Female (Jack) to QMA Female (Jack) 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

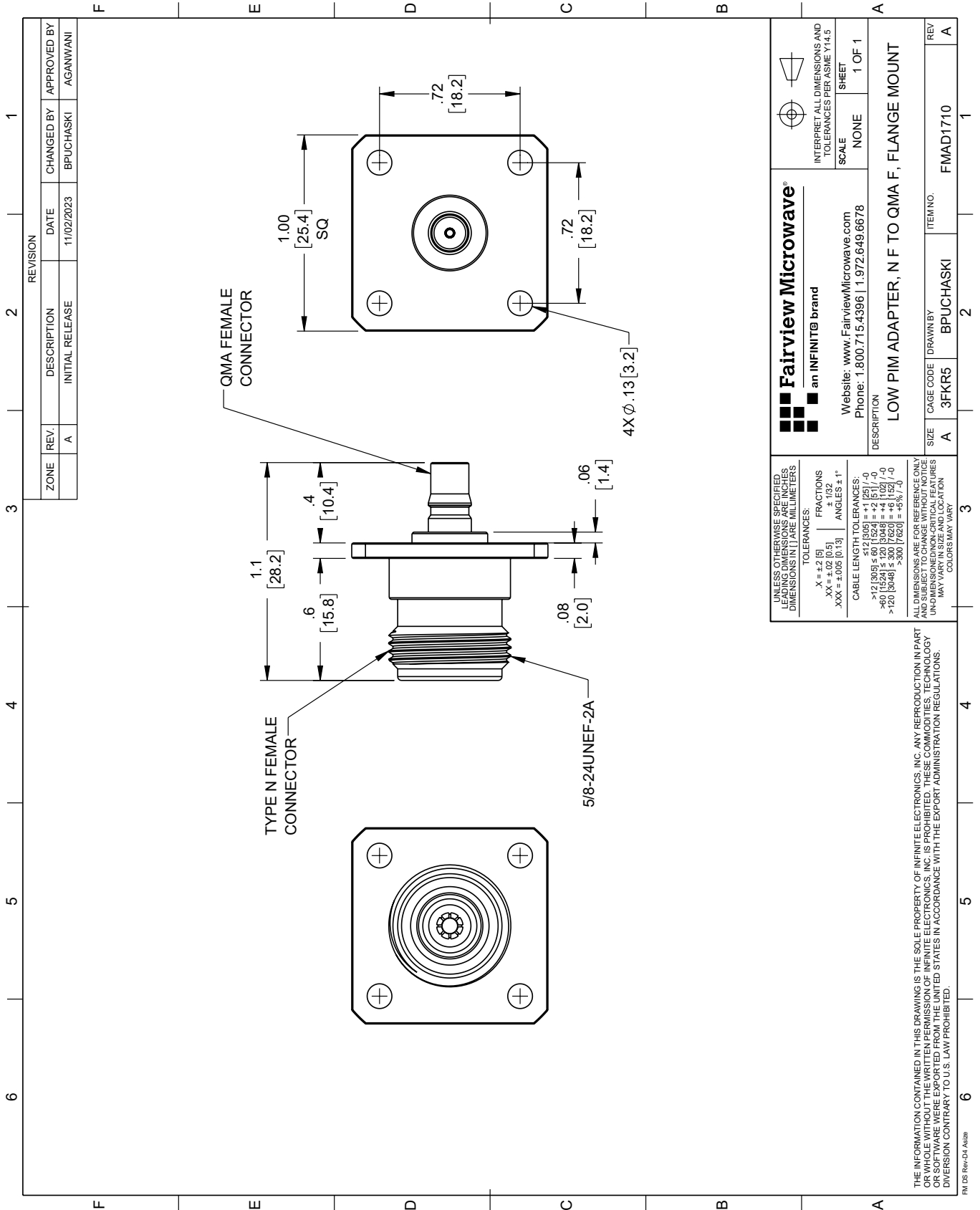
For additional information on this product, please click the following link: [Low PIM 4 Hole Flange N Female \(Jack\) to QMA Female \(Jack\) Adapter FMAD1710](#)

URL: <https://www.fairviewmicrowave.com/low-pim-4-hole-flange-n-female-to-qma-female-adapter-fmad1710-p.aspx>

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# FMAD1710 CAD Drawing

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REVISION		DATE	CHANGED BY	APPROVED BY
ZONE	REV.	DESCRIPTION	INITIAL RELEASE	
	A		11/02/2023	BPUCHASKI
				AGANWANI

**Fairview Microwave®**  
an INFINIT® brand

Website: [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com)  
Phone: 1.800.715.4396 | 1.972.649.6678

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:  
 .X = ±.2 [5]      FRACTIONS ± 1/32  
 .XX = ±.02 [0.5]      ANGLES ± 1°  
 .XXX = ±.005 [0.13]

CABLE LENGTH TOLERANCES:  
 <12 [305] ≤ 60 [1524] = ±.1 [25] / -0  
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0  
 >120 [3048] ≤ 300 [7620] = ±.8 [20] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS ARE IN MILLIMETERS. COLORS MAY VARY.

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE      SHEET: 1 OF 1

DESCRIPTION: LOW PIM ADAPTER, N F TO QMA F, FLANGE MOUNT

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	3FKR5	BPUCHASKI	FMAD1710

REV: A

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FM DS Rev-D4 Alt2b