

Low PIM N Male (Plug) to QMA Female (Jack) Adapter



FMAD1708

Configuration

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

Features

- Typical PIM levels of -155 dBc
- Silver Plated Beryllium Copper Contact
- Max of VSWR 1.15:1 at 3GHz, Max of VSWR 1.25:1 at 6GHz

Applications

- Enables Between Series Connections
- General Purpose Test
- Low PIM Applications

Description

Type N male to QMA female adapter part number FMAD1708 from Fairview Microwave is in-stock and ships same day. This Fairview type N to QMA adapter has a male to female gender configuration in a low PIM design. FMAD1708 type N male to QMA female adapter operates to 6 GHz. The Fairview Microwave RF adapter provides a passive intermodulation of -155 dBc typical.

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 | 1.10 in [28.00 mm] |
| Width | 0.79 in [20.00 mm] |
| Height | 0.85 in [21.50 mm] |
| Weight | 0.06 lbs [27.34 g] |

| Description | Connector 1 | Connector 2 |
|-------------|-------------|-------------|
| Type | N Male | QMA Female |
| Polarity | Standard | Standard |

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Material Specifications

| Description | Connector 1 | | Connector 2 | |
|-----------------|------------------|-----------|------------------|-----------|
| | Material | Plating | Material | Plating |
| Type | N Male | | QMA Female | |
| Contact | Beryllium Copper | Silver | Beryllium Copper | Silver |
| Insulation | PTFE | | PTFE | |
| Outer Conductor | | | Brass | Tri-Metal |
| Body | Brass | Tri-Metal | Brass | Tri-Metal |
| Coupling Nut | 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 N Male (Plug) 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.

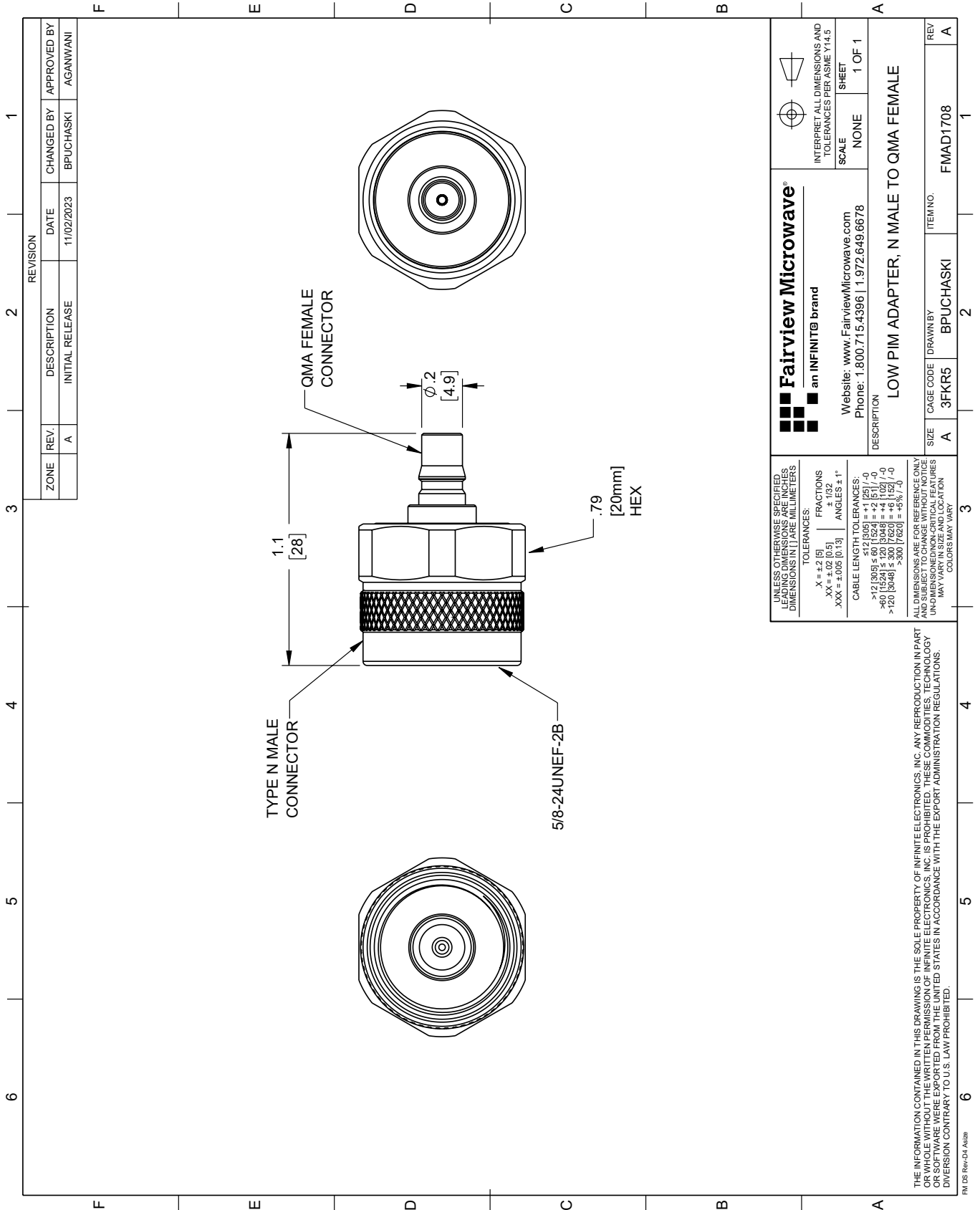
For additional information on this product, please click the following link: [Low PIM N Male \(Plug\) to QMA Female \(Jack\) Adapter FMAD1708](#)

URL: <https://www.fairviewmicrowave.com/low-pim-n-male-to-qma-female-adapter-fmad1708-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

FMAD1708 CAD Drawing

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

| | | | |
|--|------------------|---|--|
| Fairview Microwave® an INFINITIB brand | | Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678 | INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 |
| UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS. | | TOLERANCES: | SCALE: NONE |
| X = +.2 [5] ± 1/32 .XX = ±.02 [0.5] ± 1/32 .XXX = ±.005 [0.13] ANGLES ± 1° | | CABLE LENGTH TOLERANCES: | SHEET: 1 OF 1 |
| ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS. DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY. | | >12 [305] ≤ 60 [1524] = +.1 [25] / -0 >60 [1524] ≤ 120 [3048] = +.4 [102] / -0 >120 [3048] ≤ 300 [7620] = +.6 [15] / -0 | DESCRIPTION: |
| THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED. | | LOW PIM ADAPTER, N MALE TO QMA FEMALE | REV: A |
| SIZE: A | CAGE CODE: 3FKR5 | DRAWN BY: BPUCHASKI | ITEM NO.: FMAD1708 |