

Low PIM N Male (Plug) to NEX10 Male (Plug) Adapter



FMAD1704

Configuration

- N Male Connector 1
- NEX10 Male Connector 2
- 50 Ohm
- Low PIM Design
- Straight Body Geometry

Features

- Typical PIM levels of -160 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 NEX10 male adapter part number FMAD1704 from Fairview Microwave is in-stock and ships same day. This Fairview type N to NEX10 adapter has a male to male gender configuration in a low PIM design. FMAD1704 type N male to NEX10 male adapter operates to 8 GHz. The Fairview Microwave RF adapter provides a passive intermodulation of -160 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 | | 8 | GHz |
| Impedance | | 50 Ohm | | |
| Passive Intermodulation | | -160 | | dBc |
| Dielectric Withstanding Voltage (AC) | | | 750 | Vrms |

Mechanical Specifications

Size

| | |
|--------|--------------------|
| Length | 1.57 in [40.00 mm] |
| Width | 0.94 in [24.00 mm] |
| Height | 0.94 in [24.00 mm] |
| Weight | 0.08 lbs [34.53 g] |

| Description | Connector 1 | Connector 2 |
|-------------|-------------|-------------|
| Type | N Male | NEX10 Male |
| Polarity | Standard | Standard |

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Material Specifications

| Description | Connector 1 | | Connector 2 | |
|--------------|------------------|-----------|------------------|-----------|
| | Material | Plating | Material | Plating |
| Type | N Male | | NEX10 Male | |
| Contact | Beryllium Copper | Silver | Beryllium Copper | Silver |
| Insulation | PTFE | | PTFE | |
| Body | Brass | Tri-Metal | Brass | Tri-Metal |
| Coupling Nut | 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 N Male (Plug) to NEX10 Male (Plug) 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 NEX10 Male \(Plug\) Adapter FMAD1704](#)

URL: <https://www.fairviewmicrowave.com/low-pim-n-male-to-nex10-male-adapter-fmad1704-p.aspx>

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FMAD1704 CAD Drawing

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