Fairview Microwave
RF COMPONENTS ON DEMAND. Done!

# SM4030
# DATA SHEET

## N Female to N Female Bulkhead Adapter



Type N female to type N female bulkhead adapter part number SM4030 from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N adapter has a female to female gender configuration. SM4030 type N female to type N female adapter operates to 12.4 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.5:1 maximum. Our RF type N to type N bulkhead 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 | Min | Typ | Max | Units |
|---|---|---|---|---|
| Frequency Range | DC | | 12.4 | GHz |
| VSWR | | | 1.5:1 | |

### Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---|---|---|---|---|---|---|
| Frequency Range | DC to 6 | 6 to 12.4 | | | | GHz |
| VSWR, Max | 1.2:1 | 1.5:1 | | | | |

Electrical Specification Notes:
Values at 25°C, sea level.

### Mechanical Specifications

**Size**

| | |
|---|---|
| Length | 1.54 in [39.12 mm] |
| Width | 0.875 in [22.23 mm] |
| Weight | 0.0955 lbs [43.32 g] |

| Description | Connector 1 | Connector 2 |
|---|---|---|
| Type | N Female | N Female |
| Polarity | Standard | Standard |
| Interface Specification | MIL-STD-348 | MIL-STD-348 |

### Configuration:

- N Female Connector 1
- N Female Connector 2
- 50 Ohm
- Straight Body Geometry
- Bulkhead Mount Method

### Features:

- VSWR of 1.5:1 max up to 12.4 GHz
- Type N interface meets MIL-STD-348
- Contact plating according to QQ-S-365
- Silver Plated Beryllium Copper Contact

### Applications:

- General Purpose Test
- Rack Mounted Equipment

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### Material Specifications

| Description | Connector 1 | Connector 2 |
|---|---|---|
| Type | N Female | N Female |
| Contact Material | Beryllium Copper | Beryllium Copper |
| Contact Plating | Silver | Silver |
| Contact Plating Spec. | QQ-S-365 | QQ-S-365 |
| Insulation Material | PTFE | PTFE |
| Outer Contact Material | Brass | Brass |
| Outer Contact Plating | Nickel | Nickel |
| Outer Contact Plating Spec. | QQ-N-290 | QQ-N-290 |

## Environmental Specifications

**Temperature**

Operating Range -55 to +100 deg C

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

## Plotted and Other Data

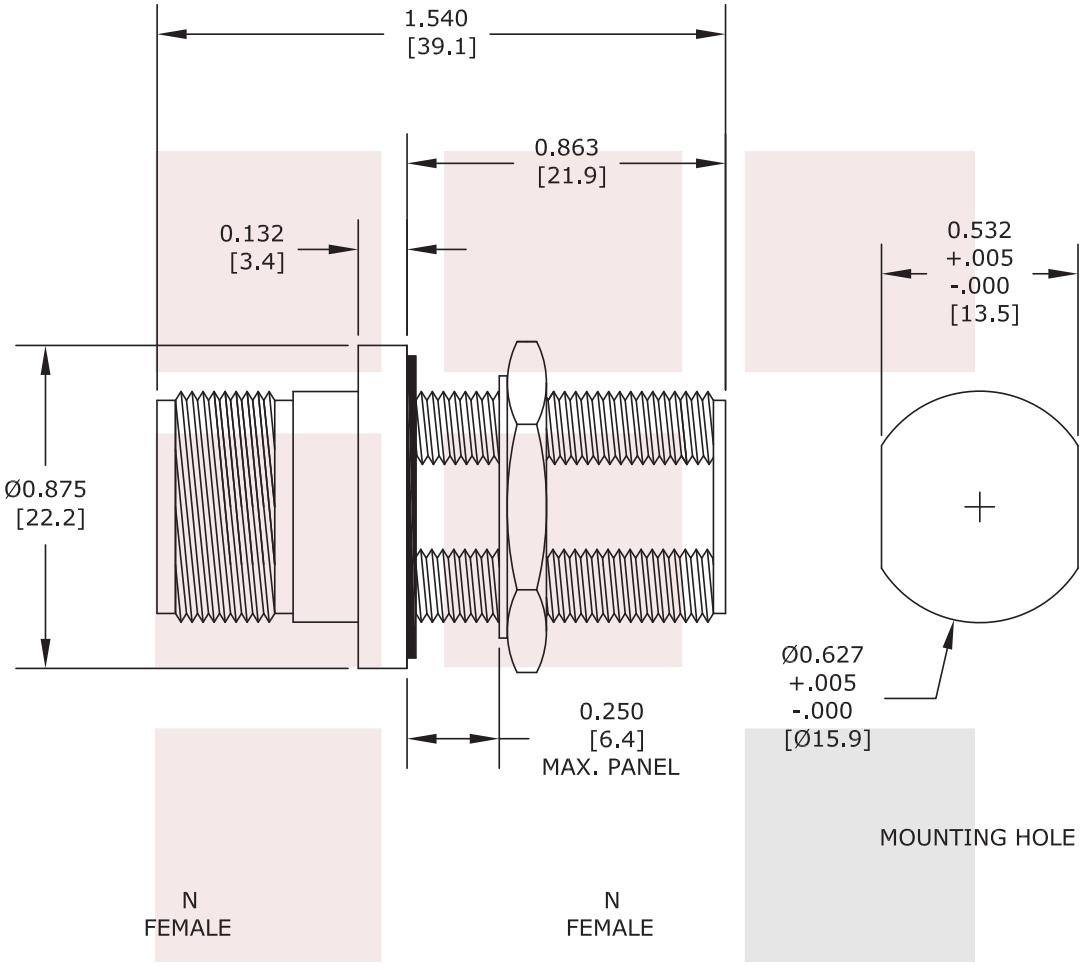
Notes:

N Female to N Female Bulkhead 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: N Female to N Female Bulkhead Adapter SM4030

URL: https://www.fairviewmicrowave.com/n-female-n-female-bulkhead-adapter-sm4030-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

| | |
|---|---|
| FAIRVIEW MICROWAVE INC.<br>ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM | NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. |
| TITLE<br>N Female to N Female Bulkhead Adapter | DWG NO SM4030 / CAGE CODE 3FKR5 |

| CAD FILE 101016 | SHEET | SCALE N/A | SIZE A | 41742 |
|---|---|---|---|---|



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## Fairview Microwave:

SM3415 FMAD1026 SC5504 SM4232 SM4953 FMAD1218 SM3130 FMAD1116 SM4965 SM4985 SM4968 FMCN1589 SM4208 SM4940 FMC0222085-12 SM4228 FMAD1608 FMCN1351 SM3416 ST-SMA9 FMAD1206 FMCN1365 SM3310 SM4961 SM5723 SM4947 SA18E-30 SA18H-10 SC4821 SM3010