

BMA Plug (Male) Connector Terminal Attachment 4 Hole Flange



FMCN5162

Configuration

- BMA Plug Connector
- 50 Ohms
- Straight Body Geometry
- 4 Hole Flange

Features

- Operating Frequency of 22 GHz Max.
- Good VSWR of 1.3:1
- Blind Mate Connector
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Rack and Panel Mount Applications

Description

BMA Plug 4 hole Flange Mount Standard 4 hole Flange Mount Connector, part number FMCN5162, from Fairview Microwave is in-stock and ships same day. This BMA plug connector operates up to a maximum frequency of 22 GHz and offers good VSWR of 1.3:1. This blind mate connector is ideal for applications without direct visual or tactile access to the connection point, for example, when two circuit boards need to be mated. Fairview's FMCN5162 4 hole flange BMA connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Fairview's BMA plug 4 hole flange connector FMCN5162 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

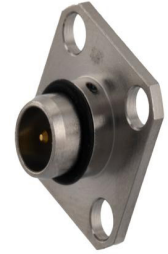
Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 22 | GHz |
| VSWR | | | 1.3:1 | |
| Insertion Loss | | | 0.14 | dB |
| Operating Voltage (AC) | | | 1,000 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,500 | Vrms |
| Inner Conductor DC Resistance | | | 2 | mOhms |
| Outer Conductor DC Resistance | | | 2 | mOhms |
| Insulation Resistance | 5,000 | | | MOhms |
| Impedance | | 50 | | Ohms |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---------------------|----------|----------|----|----|----|-------|
| Frequency Range | DC to 18 | 18 to 22 | | | | GHz |
| VSWR, Max | 1.2:1 | 1.3:1 | | | | |
| Insertion Loss, Max | 0.127 | 0.14 | | | | dB |

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Mechanical Specifications

| | |
|-------------|---------------------|
| Size | |
| Length | 0.778 in [19.76 mm] |
| Width | 0.5 in [12.7 mm] |
| Height | 0.5 in [12.7 mm] |
| Weight | 0.0062 lbs [2.81 g] |

Material Specifications

| Description | Material | Plating |
|-------------|----------------------------|------------------------------|
| Contact | Beryllium Copper | Gold over Nickel over Copper |
| Insulation | PTFE | |
| Body | Passivated Stainless Steel | |
| Gasket | Silicone | |

Environmental Specifications

| | |
|--------------------|--------------------------------------|
| Temperature | |
| Operating Range | -40 to +165 deg C |
| Humidity | MIL-STD-202, Method 106 |
| Thermal Shock | MIL-STD-202, Method 107, Condition B |
| Salt Spray | MIL-STD-202, Method 101, Condition B |

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

Plotted and Other Data

Notes:

BMA Plug (Male) Connector Terminal Attachment 4 Hole Flange 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: [BMA Plug \(Male\) Connector Terminal Attachment 4 Hole Flange FMCN5162](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/bma-plug-terminal-connector-fmcn5162.html>

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.

FMCN5162 CAD Drawing

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