

BNC Female (Jack) PCB Mount Connector, 45 Degree angle with round contact 0.0394 inches diameter, 4GHz VSWR1.2



FMCN46001

Configuration

- BNC Female Connector
- 50 Ohms
- 45 Degree Body Geometry
- PCB

Features

- Operating Frequency of 4 GHz Max.
- Excellent VSWR of 1.2:1
- Copper-Tin-Zinc Alloy Plated Beryllium Copper Contact

Applications

- General Purpose Test

Description

45° Angle BNC Female PCB Mount Connector, part number FMCN46001, from Fairview Microwave is in-stock and shipssame day. This BNC female connector operates up to a maximum frequency of 4 GHz and offers excellent VSWR of 1.2:1.

Fairview's 45° Angle BNC female PCB connector FMCN46001 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 | | 4 | GHz |
| VSWR | | | 1.2:1 | |
| Insertion Loss | | | 0.2 | dB |
| Dielectric Withstanding Voltage (AC) | | | 1,500 | Vrms |
| Inner Conductor DC Resistance | | | 1.5 | mOhms |
| Outer Conductor DC Resistance | | | 1 | mOhms |
| Insulation Resistance | 5,000 | | | MOhms |
| Impedance | | 50 | | Ohms |

Mechanical Specifications

Size

| | |
|---------------|---------------------|
| Length | 0.898 in [22.81 mm] |
| Width | 0.433 in [11.00 mm] |
| Height | 1.21 in [30.73 mm] |
| Weight | 0.015 lbs [6.8 g] |
| Mating Cycles | 500 Cycles |

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Material Specifications

| Description | Material | Plating |
|-------------|------------------|------------------------------|
| Contact | Beryllium Copper | Copper-Tin-Zinc Alloy |
| Insulation | Teflon | |
| Body | Brass | Gold over Nickel over Copper |

Environmental Specifications

Temperature

Operating Range

-65 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:

BNC Female (Jack) PCB Mount Connector, 45 Degree angle with round contact 0.0394 inches diameter, 4GHz VSWR1.2 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: [BNC Female \(Jack\) PCB Mount Connector, 45 Degree angle with round contact 0.0394 inches diameter, 4GHz VSWR1.2 FMCN46001](#)

URL: <https://www.fairviewmicrowave.com/bnc-female-connector-fmcn46001-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.

FMCN46001 CAD Drawing

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