

2.4mm Female (Jack) PCB Mount, Round Contact 50GHz VSWR1.25, 0.048 inches End Launch PCB Connector

FMCN45936 2.4mm female PCB RF connector has a 50 Ohms impedance. Our 2.4mm female PCB connector operates at a maximum frequency of 50 GHz. Our high-quality radio frequency co-axial coaxial connector is used for general purpose test and printed circuit board applications. This 2.4mm female RF connector is stocked to be readily available for same business day shipment.

The Fairview Microwave 2.4mm female PCB connector has a VSWR of 1.25:1. This 2.4mm PCB connector has a Stainless Steel body with gold plating. Our FMCN4536 connector uses a beryllium copper contact. This RF connector can operate at temperatures ranging from -40 to +165 degrees C. Additional RF connector specs and dimensions for this component can be found on its PDF specification datasheet and CAD drawings.

Fairview Microwave RF connector block has a maximum inner conductor and outer conductor resistance of 4 mOhms and 2.5 mOhms respectively. Our 2.4mm female RF connector with PCB termination has a 0.353 dB maximum insertion loss. The radio frequency connector is made from stainless steel along with a contact life of 500 cycles or more. This 2.4mm connector has a beryllium copper inner contact plating. Fairview Microwave's 2.4mm jack connector has a maximum operating voltage of 150 Vrms and a dielectric withstanding voltage of 500 Vrms.

This Fairview Microwave 2.4mm female connector will ship the same business day as purchased. Our 2.4mm female connector is part of the RF, microwave, and millimeter wave components in stock for worldwide shipment. For further information on similar products, our expert technical support and trained sales team can get you the ideal RF connector as per your requirements.

Electrical Specifications

| Description | Min | Typ | Max | Units |
|---------------------------|-------|-----|--------|-------|
| Frequency Range | DC | | 50 | GHz |
| VSWR | | | 1.25:1 | |
| Insertion Loss | | | 0.353 | dB |
| Operating Voltage (AC) | | | 150 | Vrms |
| DWV (AC) | | | 500 | Vrms |
| Inner Cond. DC Resistance | | | 4 | mOhms |
| Outer Cond. DC Resistance | | | 2.5 | mOhms |
| Insulation Resistance | 5,000 | | | MOhms |
| RF Leakage | 100 | | | dB |

Mechanical Specifications

| | |
|-----------------------|-------------------------------------|
| Size | |
| Length | 0.5 in [12.7 mm] |
| Width/Dia. | 0.3 in [7.62 mm] |
| Height | 0.3 in [7.62 mm] |
| Weight | 0.015 lbs [6.8 g] |
| Mating Cycles | 500 Cycles |
| Mating Torque | 9.74 to 15 in-lbs [1.10 to 1.70 Nm] |
| Cable Retention Force | 4.5 lbs [2.04 kg] |



Configuration:

- 2.4mm Female Connector
- 50 Ohms
- Straight Body Geometry
- Solder Attachment

Features:

- Operating Frequency of 50 GHz Max.
- Excellent VSWR of 1.25:1
- Gold Plated Beryllium Copper Contact

Applications:

- General Purpose Test
- PCB Applications

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Material Specifications

| Description | Material | Plating |
|-----------------|------------------|---------|
| Contact | Beryllium Copper | Gold |
| Insulation | PEI | |
| Outer Conductor | Stainless Steel | Gold |
| Body | Stainless Steel | Gold |

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:

2.4mm Female (Jack) PCB Mount, Round Contact 50GHz VSWR1.25, 0.048 inches End Launch PCB Connector 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: [2.4mm Female \(Jack\) PCB Mount, Round Contact 50GHz VSWR1.25, 0.048 inches End Launch PCB Connector FMCN45936](#)

URL: <https://www.fairviewmicrowave.com/2.4mm-female-pcb-connector-fmcn45936-p.aspx>

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