

**2.4mm Male (Plug) 4 hole 0.5 inches SQ with Solder Cup Contact 50Ghz VSWR1.2**

FMCN45939 2.4mm male PCB RF connector has a 50 Ohms impedance. Our 2.4mm male 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 male RF connector is stocked to be readily available for same business day shipment.

The Fairview Microwave 2.4mm male PCB connector has a VSWR of 1.2:1. This 2.4mm PCB connector has a Stainless Steel body. Our FMCN45939 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 male 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 male connector will ship the same business day as purchased. Our 2.4mm male 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			1.2:1	
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**

<b>Size</b>	
Length	0.69 in [17.53 mm]
Width/Dia.	0.5 in [12.70 mm]
Height	0.5 in [12.7 mm]
Weight	0.15 lbs [68.04 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 Male Connector
- 50 Ohms
- Straight Body Geometry
- Solder Attachment

**Features:**

- Operating Frequency of 50 GHz Max.
- Excellent VSWR of 1.2:1
- Gold Plated Brass Contact

**Applications:**

- General Purpose Test
- PCB Applications

Fairview Microwave  
301 Leora Ln., Suite 100  
Lewisville, TX 75056  
Tel: 1-800-715-4396 / (972) 649-6678  
Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Material Specifications**

Description	Material	Plating
Contact	Brass	Gold
Insulation	PEI	
Body	Stainless Steel	
Coupling Nut	Stainless Steel	

**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 Male (Plug) 4 hole 0.5 inches SQ with Solder Cup Contact 50Ghz 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: [2.4mm Male \(Plug\) 4 hole 0.5 inches SQ with Solder Cup Contact 50Ghz VSWR1.2 FMCN45939](#)

URL: <https://www.fairviewmicrowave.com/2.4mm-male-pcb-connector-fmcn45939-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.

