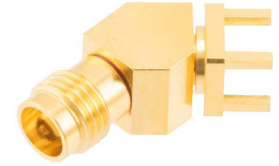


2.4mm Female (Jack) PCB Mount Connector,
45 Degree angle with round contact 0.04 inches
diameter, 50GHz VSWR1.35



FMCN45998

Configuration

- 2.4mm Female Connector
- 50 Ohms
- 45 Degree Body Geometry
- PCB

Features

- Operating Frequency of 50 GHz Max.
- Good VSWR of 1.35:1
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

- General Purpose Test

Description

45° Angle 2.4mm Female PCB Mount Connector, part number FMCN45998, from Fairview Microwave is in-stock and shipssame day. This 2.4mm female connector operates up to a maximum frequency of 50 GHz and offers good VSWR of 1.35:1.

Fairview's 45° Angle 2.4mm female PCB connector FMCN45998 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

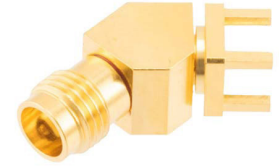
Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		50	GHz
VSWR			1.35:1	
Insertion Loss			0.354	dB
Dielectric Withstanding Voltage (AC)			500	Vrms
Inner Conductor DC Resistance			4	mOhms
Outer Conductor DC Resistance			2.5	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	100			dB
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.548 in [13.92 mm]
Width	0.276 in [7.01 mm]
Height	0.832 in [21.13 mm]
Weight	0.011 lbs [4.99 g]
Mating Cycles	500 Cycles

2.4mm Female (Jack) PCB Mount Connector,
45 Degree angle with round contact 0.04 inches
diameter, 50GHz VSWR1.35



FMCN45998

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PEI	
Body	Brass	Gold over Nickel over Copper

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 Connector, 45 Degree angle with round contact 0.04 inches diameter, 50GHz VSWR1.35 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 Connector, 45 Degree angle with round contact 0.04 inches diameter, 50GHz VSWR1.35 FMCN45998](#)

URL: <https://www.fairviewmicrowave.com/2.4mm-female-connector-fmcn45998-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.

FMCN45998 CAD Drawing

2.4mm Female (Jack) PCB Mount Connector, 45 Degree angle with round contact 0.04 inches diameter, 50GHz VSWR1.35

