

BMA Jack (Female) Connector Solder Attachment 2 Hole Flange for FM-SR141ALTN-COIL, FM-SR141CU- COIL, FM-SR141CUTN-COIL Cable, VSWR 1.25



FMCN5159

Configuration

- BMA Jack Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL, FM-SR141TB, FM-SR141TBJ
- 2 Hole Flange

Features

- Operating Frequency of 22 GHz Max.
- Excellent VSWR of 1.25:1
- Blind Mate Connector
- Gold over Nickel over Copper Plated Brass Contact

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

BMA Jack 2 hole Flange Mount Standard 2 hole Flange Mount Connector Solder Attachment for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL, FM-SR141TB and FM-SR141TBJ Cable, part number FMCN5159, from Fairview Microwave is in-stock and ships same day. This BMA jack connector operates up to a maximum frequency of 22 GHz and offers excellent VSWR of 1.25:1. 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 FMCN5159 2 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 jack 2 hole flange connector FMCN5159 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			1.25:1	
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

Mechanical Specifications

Size

Length	0.709 in [18.01 mm]
Width	0.752 in [19.1 mm]

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Height	0.752 in [19.1 mm]
Weight	0.013 lbs [5.9 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over Copper
Contact Spring	Stainless Steel	
Insulation	PTFE	
Body	Brass	Gold over Nickel over Copper
Washer	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:

BMA Jack (Female) Connector Solder Attachment 2 Hole Flange for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL Cable, VSWR 1.25 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 Jack \(Female\) Connector Solder Attachment 2 Hole Flange for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL Cable, VSWR 1.25 FMCN5159](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/bma-jack-fm-sr141altn-coil-fm-sr141cu-coil-fm-sr-141cutn-coil-fm-sr141tb-fm-sr141tbj-connector-fmcn5159.html>

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