

RA BMA Jack (Female) Connector Crimp Attachment
2 Hole Flange for LMR-100A-UF, LMR-100A-FR, LMR-100A-PVC, M17/113-RG316, RG174, RG316 Cable



FMCN5155

Configuration

- BMA Jack Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-100A-UF, LMR-100A-FR, LMR-100A-PVC, M17/113-RG316, RG174, RG316, RG174MN
- 2 Hole Flange

Features

- Operating Frequency of 4.5 GHz Max.
- Excellent VSWR of 1.2:1
- Blind Mate Connector
- Gold over Nickel over Copper Plated Brass Contact

Applications

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

Description

RA BMA Jack 2 hole Flange Mount Standard 2 hole Flange Mount Connector Crimp Attachment for LMR-100A-UF, LMR-100A-FR, LMR-100A-PVC, M17/113-RG316, RG174, RG316 and RG174MN Cable, part number FMCN5155, from Fairview Microwave is in-stock and ships same day. This BMA jack connector operates up to a maximum frequency of 4.5 GHz and offers excellent VSWR of 1.2:1. 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. Its right angle body geometry facilitates connections in tight spaces. Fairview's FMCN5155 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 RA BMA jack 2 hole flange connector FMCN5155 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		4.5	GHz
VSWR			1.2:1	
Insertion Loss			0.063	dB
Operating Voltage (AC)			670	Vrms
Dielectric Withstanding Voltage (AC)			1,000	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	0.886 in [22.5 mm]
Width	0.752 in [19.1 mm]
Height	0.752 in [19.1 mm]

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Weight	0.022 lbs [9.98 g]
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Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over Copper
Contact Spring	Stainless Steel	
Insulation	PTFE	
Body	Brass	Copper-Tin-Zinc Alloy

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:

RA BMA Jack (Female) Connector Crimp Attachment 2 Hole Flange for LMR-100A-UF, LMR-100A-FR, LMR-100A-PVC, M17/113-RG316, RG174, RG316 Cable 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: [RA BMA Jack \(Female\) Connector Crimp Attachment 2 Hole Flange for LMR-100A-UF, LMR-100A-FR, LMR-100A-PVC, M17/113-RG316, RG174, RG316 Cable FMCN5155](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/bma-jack-lmr-100a-uf-lmr-100a-fr-lmr-100a-pvc-m17-113-rg316-rg174-rg316-rg174mn-connector-fmcn5155.html>

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.

FMCN5155 CAD Drawing

RA BMA Jack (Female) Connector Crimp Attachment 2 Hole Flange for LMR-100A-UF, LMR-100A-FR, LMR-100A-PVC, M17/113-RG316, RG174, RG316 Cable

