

BMA Plug (Male) Bulkhead Slide-On Connector For RG316, RG174, LMR-100 Cable, Crimp/Solder

FMCN1201



Configuration

- Slide-On BMA Plug Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG316, RG174, LMR-100
- Bulkhead
- 8 mm Hex

Features

- Operating Frequency of 12.4 GHz Max.
- Good VSWR of 1.4:1
- Blind Mate Connector
- Gold Plated Beryllium Copper Contact
- 51.18µ in. minimum contact plating
- Low-Engagement Force

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- Phased Array Systems
- Blind Mating
- RF Backplanes
- Rack and Panel
- Base Stations
- Test I/O

Description

BMA Plug Bulkhead Slide-On Bulkhead Connector Crimp/Solder Attachment for RG316, RG174 and LMR-100 Cable, part number FMCN1201, from Fairview Microwave is in-stock and ships same day. This BMA plug connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.4:1. 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 FMCN1201 bulkhead 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 plug bulkhead connector FMCN1201 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		12.4	GHz
VSWR			1.4:1	
Insertion Loss			0.1	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.95 in [24.13 mm]
Width	0.315 in [8.00 mm]
Weight	0.011 lbs [4.99 g]
Mating Cycles	1,000 Cycles

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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 51.18μ in. minimum
Insulation	PTFE	
Outer Conductor	Passivated Stainless Steel	
Body	Passivated Stainless Steel	
Washer	Brass	Nickel
O-Ring	Silicone Rubber	

Mechanical Specification Notes:
Finish appearance may vary lot to lot

Environmental Specifications

Temperature
Operating Range -65 to +125 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

BMA Plug (Male) Bulkhead Slide-On Connector For RG316, RG174, LMR-100 Cable, Crimp/Solder 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 Plug \(Male\) Bulkhead Slide-On Connector For RG316, RG174, LMR-100 Cable, Crimp/Solder FMCN1201](#)

URL: <https://www.fairviewmicrowave.com/bma-plug-slide-on-rg316-rg174-lmr-100-connector-fmcn1201-p.aspx>

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