

BMA Plug (Male) Slide-On Hermetically Sealed Thread-In



FMCN1236

Configuration

- Slide-On BMA Plug Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: Pin
- Thread-In

Features

- Operating Frequency of 22 GHz Max.
- Excellent VSWR of 1.25:1
- Blind Mate Connector
- Hermetically Sealed
- Gold Plated Beryllium Copper Contact
- 51.18μ in. minimum contact plating
- Low-Engagement Force

Applications

- General Purpose Test
- Phased Array Systems
- Blind Mating
- RF Backplanes
- Rack and Panel
- Base Stations
- Test I/O

Description

BMA Plug Slide-On Hermetically Sealed Connector Solder Attachment for Pin Cable,, part number FMCN1236, from Fairview Microwave is in-stock and ships same day. This BMA plug 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 BMA plug thread-in connector FMCN1236 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			0.32	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.47 in [11.94 mm]
Width	0.25 in [6.35 mm]
Weight	0.024 lbs [10.89 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	
Body	Passivated Stainless Steel	
Gasket	Aluminum Alloy	

Environmental Specifications

Temperature	
Operating Range	-65 to +125 deg C
Hermetic Seal	1E-8 atm. cm ³ /s (Helium) using borosilicate glass

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

Plotted and Other Data

Notes:

BMA Plug (Male) Slide-On Hermetically Sealed Thread-In 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 \(Male\) Slide-On Hermetically Sealed Thread-In FMCN1236](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/bma-plug-slide-on-connector-fmcn1236.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.

FMCN1236 CAD Drawing
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