

BMA Plug Slide-On Hermetically Sealed Thread-In With Extended Contact

BMA plug slide-on thread-in mount hermetically sealed connector with attachment, part number FMCN1237, 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 FMCN1237 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	Min	Typ	Max	Units
Frequency Range	DC		22	GHz
VSWR			1.25:1	
Insertion Loss			0.32	dB
Operating Voltage (AC)			500	Vrms
DWV (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	0.47 in [11.94 mm]
Width/Dia.	0.25 in [6.35 mm]
Weight	0.009 lbs [4.08 g]
Mating Cycles	1,000 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 51.18µ in. minimum
Insulation	PTFE	
Body	Stainless Steel	Gold 19.68µ in. minimum
Gasket	Aluminum Alloy	



Configuration:

- Slide-On BMA Plug Connector
- 50 Ohms
- Straight Body Geometry
- 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

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Environmental Specifications

Temperature

Operating Range

-65 to +125 deg C

Hermetic Seal

1E-8 atm. cm³/s (Helium)

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

Plotted and Other Data

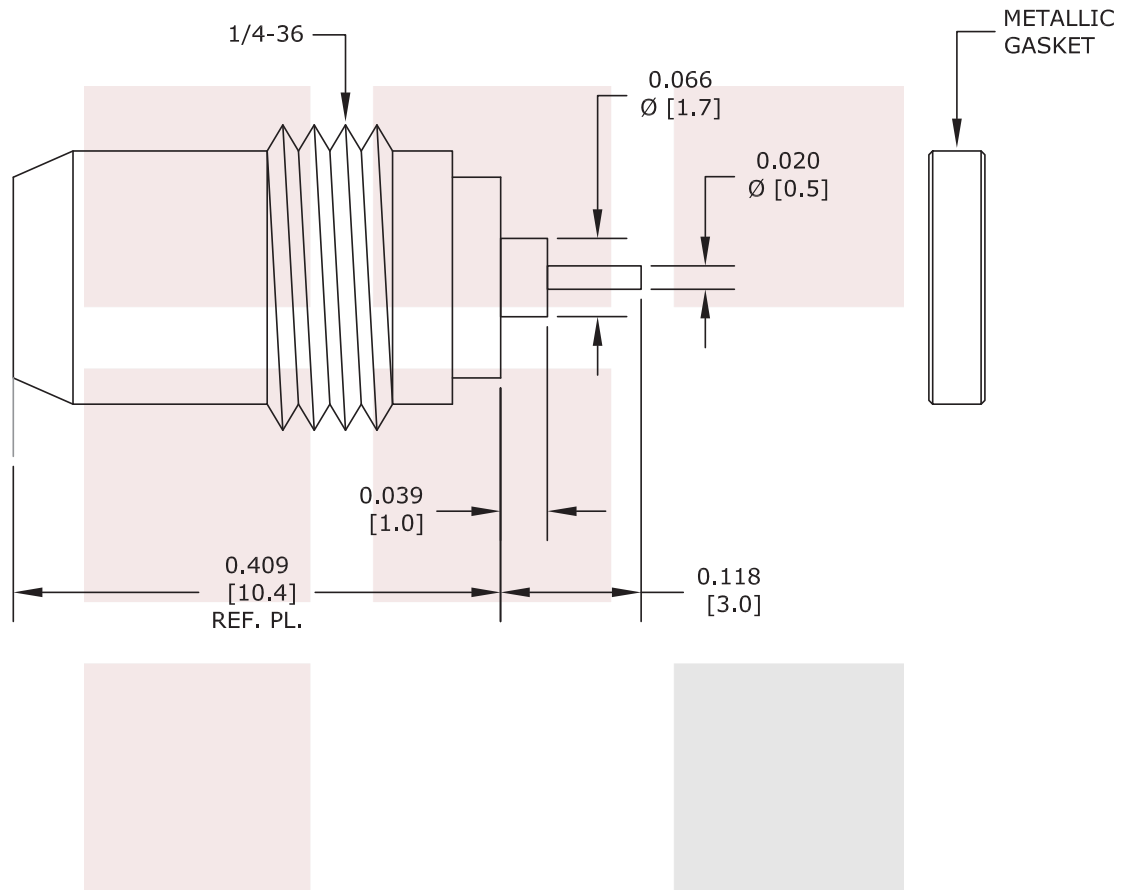
Notes:

BMA Plug Slide-On Hermetically Sealed Thread-In With Extended Contact 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [BMA Plug Slide-On Hermetically Sealed Thread-In With Extended Contact FMCN1237](#)

URL: <https://www.fairviewmicrowave.com/bma-plug-slide-on-connector-fmcn1237-p.aspx>

The information contained in 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 any liability arising out of the use of any part or documentation.



STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

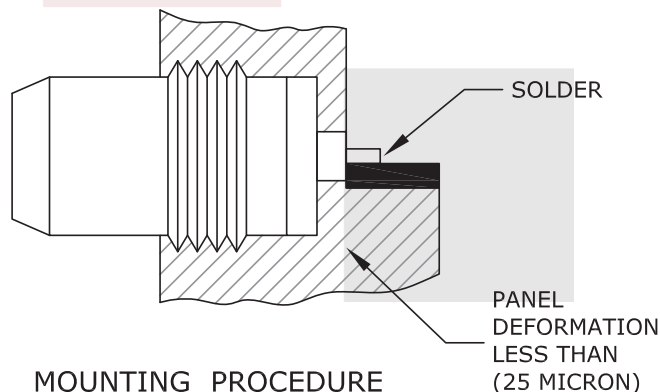
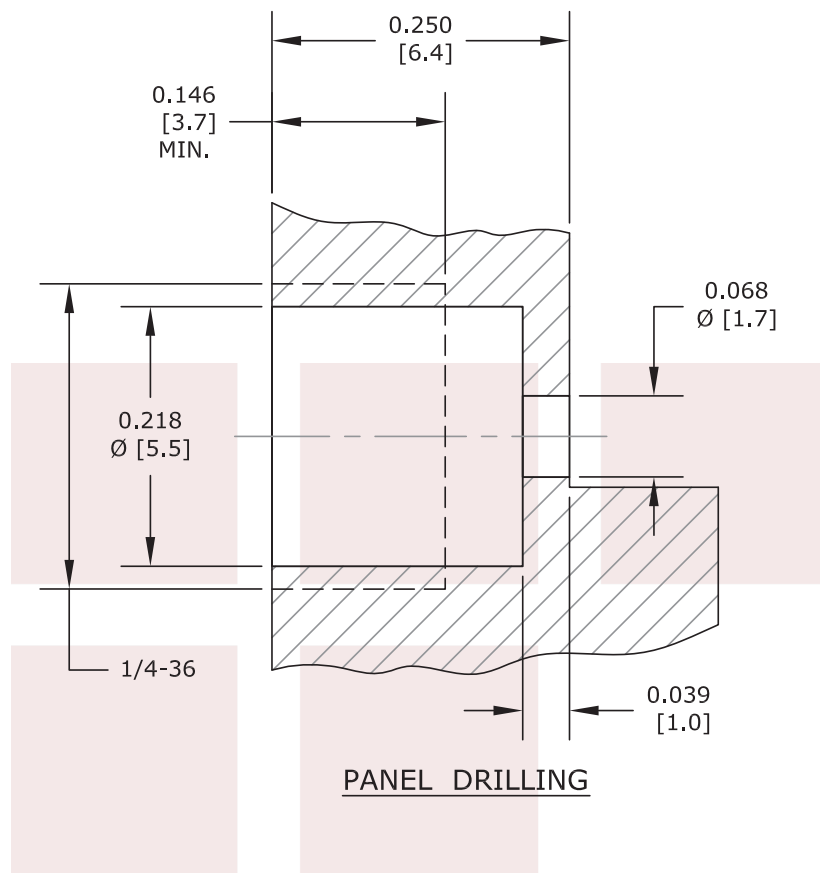
*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC.
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NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

TITLE
**BMA Plug Slide-On Hermetically Sealed Thread-In
With Extended Contact**

DWG NO		FMCN1237		CAGE CODE		3FKR5	
CAD FILE	020917	SHEET		SCALE	N/A	SIZE	A 2233



STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

1. Assemble metal gasket onto connector.
2. Tighten the connector up to 280 Ncm torque (24.78 Lbs. In)
3. Thus the connection hermeticity is guaranteed at 1.
10-5 atm.cm³/sec. Then solder the pin.

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