

RA BMA Plug PCB Connector Thru Hole Solder Attachment

RA BMA plug connector with solder attachment for thru hole PCB, part number FMCN1240, 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. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA BMA plug connector FMCN1240 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			3.75	dB
Operating Voltage (AC)			350	Vrms
DWV (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	0.6 in [15.24 mm]
Width/Dia.	0.25 in [6.35 mm]
Height	0.68 in [17.27 mm]
Weight	0.0115 lbs [5.22 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 31.49µ in. minimum
Insulation	PTFE	
Body	Stainless Steel	Gold 19.68µ in. minimum



Configuration:

- BMA Plug Connector
- 50 Ohms
- Right Angle Body Geometry
- Thru Hole Interface Type
- Solder Attachment

Features:

- Operating Frequency of 22 GHz Max.
- Excellent VSWR of 1.25:1
- Blind Mate Connector
- Gold Plated Brass Contact
- 31.49µ in. minimum contact plating

Applications:

- General Purpose Test
- PCB Applications

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Environmental Specifications

Temperature

Operating Range -65 to +125 deg C

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

Plotted and Other Data

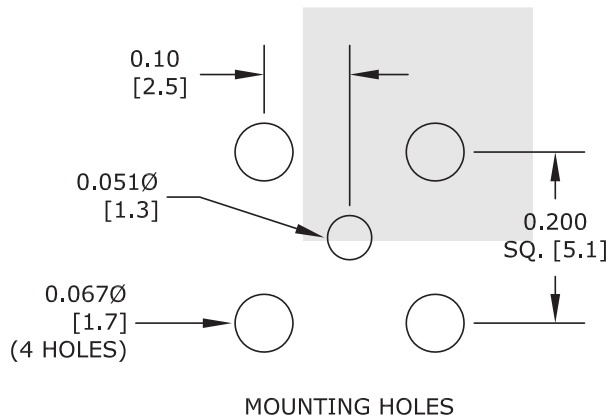
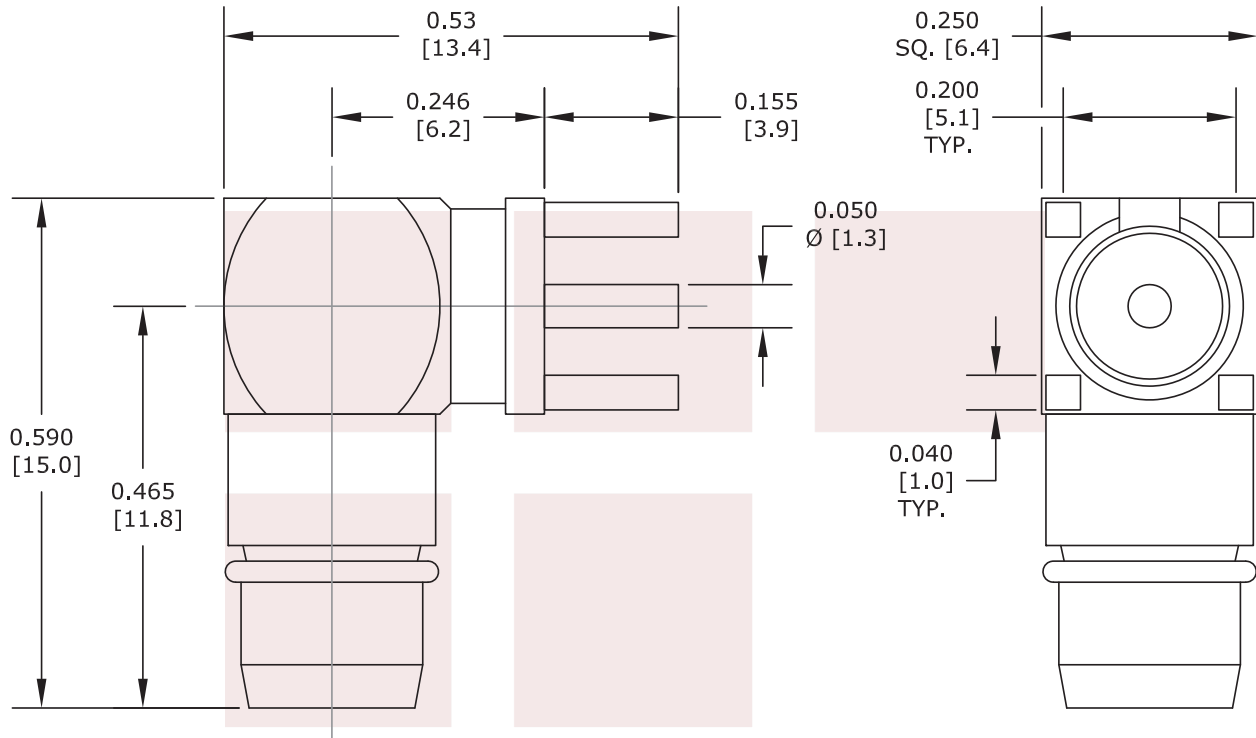
Notes:

RA BMA Plug PCB Connector Thru Hole Solder Attachment 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: [RA BMA Plug PCB Connector Thru Hole Solder Attachment FMCN1240](#)

URL: <https://www.fairviewmicrowave.com/bma-plug-thru-hole-pcb-connector-fmcn1240-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.		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].			
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		DWG NO		CAGE CODE	
TITLE RA BMA Plug PCB Connector Thru Hole Solder Attachment		FMCN1240		3FKR5	
		CAD FILE	040317	SHEET	SCALE
				SIZE	A
					2233