

## SMA Female (Jack) Right Angle Bulkhead Mount Connector Solder Attachment Thru Hole PCB, .256 inch Diameter, IP68 mated



### FMCN5368

#### Configuration

- SMA Female Connector
- MIL-STD-348B
- 50 Ohms
- Right Angle Body Geometry
- Bulkhead

#### Features

- Operating Frequency of 12.4 GHz Max.
- Gold over Nickel over Copper Plated Brass Contact
- IP68 Mated

#### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- PCB Applications

#### Description

RA SMA Female Bulkhead Mount Connector Solder Attachment IP68 Mated Mated, part number FMCN5368, from Fairview Microwave is in-stock and ships same day. This SMA female connector operates up to a maximum frequency of 12.4 GHz. Its right angle body geometry facilitates connections in tight spaces. Fairview's FMCN5368 bulkhead SMA 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. Our FMCN5368 connector has an IP68 rating to protect against dust and prolonged moisture protection under immersion conditions.

Fairview's RA SMA female bulkhead connector FMCN5368 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		1.2:1		
Dielectric Withstanding Voltage (AC)			1,500	Vrms
High Potential Voltage			500	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Electrical Specification Notes:

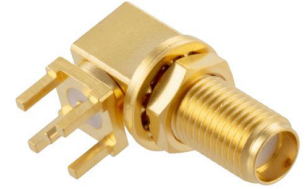
Insertion loss is equal to  $0.04 \times \sqrt{F(\text{GHz})}$  dB

#### Mechanical Specifications

##### Size

Length	0.828 in [21.03 mm]
Width	0.543 in [13.79 mm]
Height	0.394 in [10.01 mm]

SMA Female (Jack) Right Angle Bulkhead  
Mount Connector Solder Attachment Thru Hole  
PCB, .256 inch Diameter, IP68 mated



**FMCN5368**

Weight	0.013 lbs [5.9 g]
Mating Cycles	100 Cycles
Mating Torque	4 to 5.3 in-lbs [[0.45 to 0.60 Nm]]
Cable Retention Force	6.1 lbs [2.77 kg]

**Material Specifications**

Description	Material	Plating
Contact	Brass	Gold over Nickel over Copper
Insulation	PTFE	
Body	Brass	Gold over Nickel over Copper
Gasket	Silicone	
Washer	Brass	Gold over Nickel over Copper

**Environmental Specifications**

<b>Temperature</b>	
Operating Range	-65 to +165 deg C
Ingress Protection (IP) Rating	IP68 Mated
Humidity	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition B

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

**Plotted and Other Data**

Notes:

SMA Female (Jack) Right Angle Bulkhead Mount Connector Solder Attachment Thru Hole PCB, .256 inch Diameter, IP68 mated 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: [SMA Female \(Jack\) Right Angle Bulkhead Mount Connector Solder Attachment Thru Hole PCB, .256 inch Diameter, IP68 mated FMCN5368](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/sma-female-pcb-connector-fmcn5368.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.

FMCN5368 CAD Drawing

SMA Female (Jack) Right Angle Bulkhead Mount Connector Solder Attachment Thru Hole PCB, .256 inch Diameter, IP67 mated

