

SMA Female (Jack) Bulkhead Connector Crimp Attachment For RG223, RG55, RG142, and RG400, .268 inch D Hole, IP67 Mated



FMCN5355

Configuration

- SMA Female Connector
- MIL-STD-348B
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG55, RG142, RG223, RG400
- Bulkhead

Features

- Operating Frequency of 9 GHz Max.
- Gold over Nickel over Copper Plated Beryllium Copper Contact
- IP67 Mated

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

SMA Female Bulkhead Mount Connector Crimp Attachment for RG55, RG142, RG223 and RG400 Cable IP67 Mated Mated, part number FMCN5355, from Fairview Microwave is in-stock and ships same day. This SMA female connector operates up to a maximum frequency of 9 GHz. Fairview's FMCN5355 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 FMCN5355 connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Fairview's SMA female bulkhead connector FMCN5355 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		9	GHz
VSWR		1.25:1		
Dielectric Withstanding Voltage (AC)			1,000	Vrms
High Potential Voltage			335	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	0.823 in [20.9 mm]
Width	0.433 in [11 mm]
Height	0.433 in [11 mm]

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Weight	0.011 lbs [4.99 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	Beryllium Copper	Gold over Nickel over Copper
Insulation	PTFE	
Body	Brass	Gold over Nickel over Copper
Gasket	Silicone	
Crimp Sleeve	Copper	Gold over Nickel over Copper

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C
Ingress Protection (IP) Rating	IP67 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:

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For additional information on this product, please click the following link: [SMA Female \(Jack\) Bulkhead Connector Crimp Attachment For RG223, RG55, RG142, and RG400, .268 inch D Hole, IP67 Mated FMCN5355](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/sma-female-rg55-rg142-rg223-rg400-connector-fmcn5355.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.

FMCN5355 CAD Drawing

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