

QMA Female (Jack) Bulkhead Connector Crimp Attachment For RG174, RG188, RG316, .268 inch D Hole, IP67 Mated



FMCN5371

Configuration

- QMA Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG174, RG188, RG316
- Bulkhead

Features

- Operating Frequency of 4 GHz Max.
- PIM levels better than 120 dBc
- Gold over Nickel over Copper Plated Beryllium Copper Contact
- IP67 Mated

Applications

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

Description

QMA Female Bulkhead Mount Connector Crimp Attachment for RG174, RG188 and RG316 Cable, part number FMCN5371, from Fairview Microwave is in-stock and ships same day. This QMA female connector operates up to a maximum frequency of 4 GHz. The QMA female connector also has low passive intermodulation (PIM) of 120 dBc. Fairview's FMCN5371 bulkhead QMA 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 FMCN5371 connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Fairview's QMA female bulkhead connector FMCN5371 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		4	GHz
VSWR		1.2:1		
Passive Intermodulation			120	dBc
Dielectric Withstanding Voltage (AC)			1,000	Vrms
High Potential Voltage			480	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2.5	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	80			dB
Impedance		50		Ohms

Electrical Specification Notes:

Insertion loss is equal to $0.05 \times \text{SQRT } F(\text{GHz}) \text{ dB}$

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Mechanical Specifications

Size	
Length	0.945 in [24 mm]
Width	0.433 in [11 mm]
Height	0.433 in [11 mm]
Weight	0.012 lbs [5.44 g]
Mating Cycles	100 Cycles
Cable Retention Force	13.5 lbs [6.12 kg]
Engagement Force	5.6lbs [2.54kg]
Disengagement Force	4.5lbs [2.04kg]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PTFE	
Body	Brass	Copper-Tin-Zinc Alloy
Gasket	Silicone	
Crimp Sleeve	Copper	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Ingress Protection (IP) Rating	IP67 Mated
Thermal Shock	IEC 60169-1 16.4 (-40°C to +85°C)

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

Plotted and Other Data

Notes:

QMA Female (Jack) Bulkhead Connector Crimp Attachment For RG174, RG188, RG316, .268 inch D Hole, IP67 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: [QMA Female \(Jack\) Bulkhead Connector Crimp Attachment For RG174, RG188, RG316, .268 inch D Hole, IP67 Mated FMCN5371](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/qma-female-rg174-rg188-rg316-connector-fmcn5371.html>

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FMCN5371 CAD Drawing

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