

N Female (Jack) Bulkhead Connector For LMR-200 Cable IP67 Rated, Crimp/Solder

FMCN1247



Configuration

- N Female Connector
- IEC 61169-16
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-200, LMR-200-FR, LMR-200-UF
- Bulkhead
- 1/2 inch Hex

Features

- Operating Frequency of 3 GHz Max.
- Excellent VSWR of 1.2:1
- Silver Plated Copper Contact
- 5 μ m minimum contact plating
- IP67 Rated

Applications

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

Description

Type N Female Bulkhead Bulkhead Connector Crimp/Solder Attachment for LMR-200, LMR-200-FR and LMR-200-UF Cable, part number FMCN1247, from Fairview Microwave is in-stock and ships same day. This type N female connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.2:1. Fairview's FMCN1247 bulkhead type N 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 FMCN1247 connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Fairview's type N female bulkhead connector FMCN1247 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		3	GHz
VSWR			1.2:1	
Insertion Loss			0.1	dB
Operating Voltage (AC)			2,500	Vrms
Dielectric Withstanding Voltage (AC)			1,700	Vrms
Inner Conductor DC Resistance			0.8	mOhms
Outer Conductor DC Resistance			0.4	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.66 in [42.16 mm]
Width	0.86 in [21.84 mm]

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Weight	0.1145 lbs [51.94 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Copper	Silver 5 µm minimum
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal 2 µm minimum
Body	Brass	Tri-Metal 2 µm minimum
O-Ring	Silicone Rubber	

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Ingress Protection (IP) Rating	IP67 Rated
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6-Fc
Thermal Shock	IEC 60068-2-14-Na
Environmental Specification Notes:	
Weather standard: IEC 60068 40/085/21	

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

Plotted and Other Data

Notes:

N Female (Jack) Bulkhead Connector For LMR-200 Cable IP67 Rated, Crimp/Solder 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: [N Female \(Jack\) Bulkhead Connector For LMR-200 Cable IP67 Rated, Crimp/Solder FMCN1247](#)

URL: <https://www.fairviewmicrowave.com/n-female-lmr-200-connector-fmcn1247-p.aspx>

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.

FMCN1247 CAD Drawing
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