

N Female Bulkhead Hermetically Sealed Connector Solder Cup Terminal/Solder Attachment



FMCN1955

Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- Bulkhead
- 19 mm Hex

Features

- Operating Frequency of 11 GHz Max.
- Excellent VSWR of 1.25:1
- Hermetically Sealed
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Rack and Panel Mount Applications

Description

Type N Female Bulkhead Standard Hermetically Sealed Bulkhead Connector Solder Cup Terminal/Solder Attachment, part number FMCN1955, from Fairview Microwave is in-stock and ships same day. This type N female connector operates up to a maximum frequency of 11 GHz and offers excellent VSWR of 1.25:1. Fairview's FMCN1955 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.

Fairview's type N female bulkhead connector FMCN1955 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		11	GHz
VSWR			1.25:1	
Insertion Loss			0.165	dB
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.37 in [34.8 mm]
Width	0.87 in [22.10 mm]
Height	0.87 in [22.1 mm]
Weight	0.042 lbs [19.05 g]
Mating Cycles	500 Cycles
Mating Torque	6 to 10 in-lbs [[0.68 to 1.13 Nm]]

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Cable Retention Force	6.3 lbs [2.86 kg]
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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range

Humidity

Thermal Shock

Salt Spray

Hermetic Seal

-65 to +165 deg C

MIL-STD-202, Method106

MIL-STD-202, Method107, Condition B

MIL-STD-202, Method101, Condition B

1*10-6cc/sec helium at 1atm

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

Plotted and Other Data

Notes:

N Female Bulkhead Hermetically Sealed Connector Solder Cup Terminal/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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [N Female Bulkhead Hermetically Sealed Connector Solder Cup Terminal/Solder Attachment FMCN1955](#)

URL: <https://www.fairviewmicrowave.com/n-female-terminal-connector-fmcn1955-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.

FMCN1955 CAD Drawing

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