BNC Female (Jack) Bulkhead Connector Crimp Attachment for RG316-DS Cable

FMCN5252

Configuration

- BNC Female Connector
- MIL-STD-348B
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG316-DS
- Bulkhead

Features

- Operating Frequency of 2.8 GHz Max.
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Phosphor Bronze Contact
- IP67

Applications

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

Description

BNC Female Bulkhead Mount Connector Crimp Attachment for RG316-DS Cable, IP67 Mated, part number FMCN5252, from Fairview Microwave is in-stock and ships same day. This BNC female connector operates up to a maximum frequency of 2.8 GHz and offers excellent VSWR of 1.2:1. Fairview's FMCN5252 bulkhead BNC 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 FMCN5252 connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Fairview's BNC female bulkhead connector FMCN5252 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		2.8	GHz
VSWR			1.2:1	
Insertion Loss			0.167	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	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	1.142 in [29.01 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.035 lbs [15.88 g]

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Mating Cycles	500 Cycles
Mating Torque	0.6 to 2.5 in-lbs [[0.07 to 0.28 Nm]]

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold over Nickel over Copper
Insulation	PTFE	
Body	Brass	Copper-Tin-Zinc Alloy
Coupling Nut	Brass	Copper-Tin-Zinc Alloy
Crimp Sleeve	Brass	Copper-Tin-Zinc Alloy
Washer	Brass	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Ingress Protection (IP) Rating	IP67
Humidity	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

BNC Female (Jack) Bulkhead Connector Crimp Attachment for RG316-DS Cable 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: BNC Female (Jack) Bulkhead Connector Crimp Attachment for RG316-DS Cable FMCN5252

URL: https://www.fairviewmicrowave.com/product/rf-connectors/bnc-female-rg316-ds-connector-fmcn5252.html

FMCN5252 CAD Drawing

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