

Non-Magnetic SMA Female Bulkhead Mount Connector, Crimp/Solder Attachment for RG174U .236 inch D Hole

SMA Female Bulkhead Non-Magnetic Bulkhead Connector Crimp/Solder Attachment for RG174 and RG174NM Cable, part number FMCN45953, from Fairview Microwave is in-stock and ships same day. This SMA female connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. Fairview's FMCN45953 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. Fairview Microwave's Non Magnetic connectors are manufactured with materials that are especially adapted to non magnetism. Our non-magnetic connectors have a susceptibility of around 10^{-5} , as opposed to 10^{-2} for standard connectors made of brass/nickel materials. As a result, our non-magnetic connectors are transparent to the magnetic field, which means no field distortion and a higher Signal-to-Noise Ratio (SNR).

Fairview's SMA female bulkhead connector FMCN45953 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	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.3:1	
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Size	
Length	0.697 in [17.7 mm]
Width/Dia.	0.433 in [11.00 mm]
Height	0.433 in [11 mm]
Weight	0.018 lbs [8.16 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 μ m minimum
Insulation	Teflon	
Outer Conductor	Beryllium Copper	Gold 3 μ m minimum
Body	Beryllium Copper	Gold 3 μ m minimum
Coupling Nut	Beryllium Copper	Gold 3 μ m minimum



Configuration:

- SMA Female Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG174, RG174NM Interface Type
- Crimp/Solder Attachment
- Bulkhead
- Non-Magnetic Design

Features:

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 50 μ m minimum contact plating

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- Medical
- Quantum Computing
- Military and Aerospace

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Gasket	Silicone	
Crimp Sleeve	Brass	Gold 3 µin minimum
Washer	Beryllium Copper	Gold 3 µin minimum

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

Non-Magnetic SMA Female Bulkhead Mount Connector, Crimp/Solder Attachment for RG174U .236 inch D Hole 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: [Non-Magnetic SMA Female Bulkhead Mount Connector, Crimp/Solder Attachment for RG174U .236 inch D Hole FMCN45953](#)

URL: <https://www.fairviewmicrowave.com/sma-female-rg316-ds-rg188-ds-connector-fmcn45953-p.aspx>

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