Fairview Microwave
an INFINITE brand

FMCN45874
DATA SHEET

RA SMB Plug Non-Magnetic Connector Crimp/Solder Attachment for RG316 Cable

RA SMB Plug Non-Magnetic Connector Crimp/Solder Attachment for RG316 Cable, part number FMCN45874, from Fairview Microwave is in-stock and ships same day. This SMB plug connector operates up to a maximum frequency of 4 GHz and offers excellent VSWR of 1.06:1. Its right angle body geometry facilitates connections in tight spaces. Fairview'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 RA SMB plug connector FMCN45874 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		4	GHz
VSWR			1.06:1	
Insertion Loss			0.5	dB
Operating Voltage (AC)			335	Vrms
DWV (AC)			1,000	Vrms
Insulation Resistance	1,000			MOhms
RF Leakage	57			dB

Mechanical Specifications

Size

Length	0.86614 in [22 mm]
Width/Dia.	0.12795 in [3.25 mm]
Height	0.12795 in [3.25 mm]
Weight	0.00423 lbs [1.92 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Copper
Body	Bronze	Copper-Tin-Zinc Alloy

Configuration:

- SMB Plug Connector
- 50 Ohms
- Right Angle Body Geometry
- RG316 Interface Type
- Crimp/Solder Attachment
- Non-Magnetic Design

Features:

- Operating Frequency of 4 GHz Max.
- Excellent VSWR of 1.06:1
- Gold over Copper Plated Beryllium Copper Contact
- Magnetic Susceptibility 10^{-5}

Applications:

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

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Environmental Specifications

Temperature

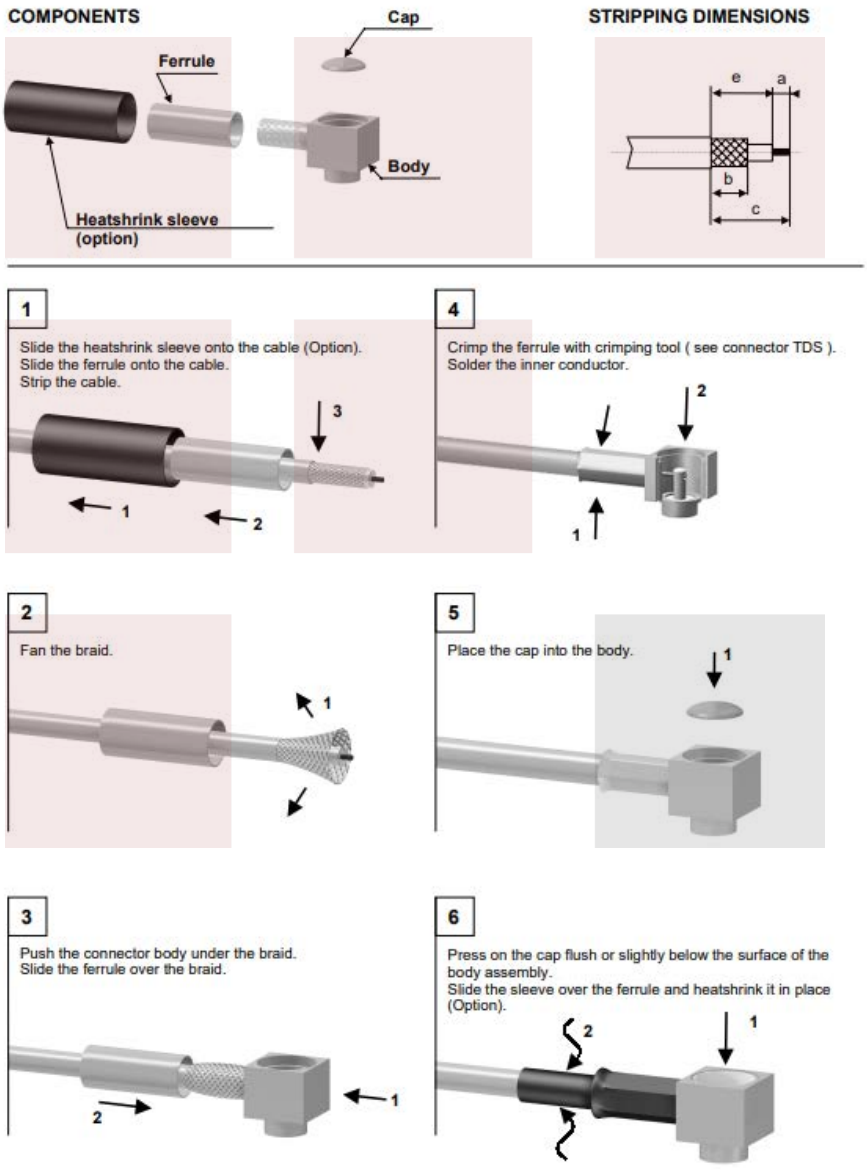
Operating Range	-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Assembly Instruction



RA SMB Plug Non-Magnetic Connector Crimp/Solder Attachment for RG316 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: RA SMB Plug Non-Magnetic Connector Crimp/Solder Attachment for RG316 Cable FMCN45874

URL: https://www.fairviewmicrowave.com/smb-plug-connector-fmcn45874-p.aspx