

RA SMA Female Bulkhead Connector Crimp/ Solder Attachment for LMR-100A-PVC, RG174, RG316, RG188 Cable



FMCN5454

Configuration

- SMA Female Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-100A-PVC, RG174, RG316, RG188
- Bulkhead

Features

- Operating Frequency of 3 GHz Max.
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

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

Description

RA SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for LMR-100A-PVC, RG174, RG316 and RG188 Cable, part number FMCN5454, from Fairview Microwave is in-stock and ships same day. This SMA female connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.2:1. Its right angle body geometry facilitates connections in tight spaces. Fairview's FMCN5454 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's RA SMA female bulkhead connector FMCN5454 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			0.069	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.217 in [30.91 mm]
Width	0.35 in [8.89 mm]
Height	0.49 in [12.45 mm]
Weight	0.016 lbs [7.26 g]

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Mating Cycles	100 Cycles
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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PTFE	
Outer Conductor	Brass	Gold over Nickel over Copper
Body	Brass	Gold over Nickel over Copper
Washer	Brass	Gold over Nickel over Copper

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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:

RA SMA Female Bulkhead Connector Crimp/Solder Attachment for LMR-100A-PVC, RG174, RG316, RG188 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 SMA Female Bulkhead Connector Crimp/Solder Attachment for LMR-100A-PVC, RG174, RG316, RG188 Cable FMCN5454](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/sma-female-lmr-100a-pvc-rg174-rg316-rg188-connector-fmcn5454.html>

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