

RA SMA Female Bulkhead Connector Solder Attachment for RG405, FM-SR086CU, FM-SR086TB, FM-SR086CUTN, FM-SR086TBJ Cable



**FMCN5450**

**Configuration**

- SMA Female Connector
- MIL-STD-348B
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG405, FM-SR086CU, FM-SR086TB, FM-SR086CUTN, FM-SR086TBJ
- Bulkhead

**Features**

- Operating Frequency of 6 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 Solder Attachment for RG405, FM-SR086CU, FM-SR086TB, FM-SR086CUTN and FM-SR086TBJ Cable, part number FMCN5450, 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 excellent VSWR of 1.2:1. Its right angle body geometry facilitates connections in tight spaces. Fairview's FMCN5450 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 FMCN5450 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		6	GHz
VSWR			1.2:1	
Insertion Loss			0.097	dB
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	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	0.78 in [19.81 mm]
Width	0.35 in [8.89 mm]
Height	0.646 in [16.41 mm]

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Weight	0.014 lbs [6.35 g]
Mating Cycles	100 Cycles

**Material Specifications**

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

**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 Solder Attachment for RG405, FM-SR086CU, FM-SR086TB, FM-SR086CUTN, FM-SR086TBJ 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 Solder Attachment for RG405, FM-SR086CU, FM-SR086TB, FM-SR086CUTN, FM-SR086TBJ Cable FMCN5450](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/sma-female-rg405-fm-sr086cu-fm-sr086tb-fm-sr-086cutn-fm-sr086tbj-connector-fmcn5450.html>

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.

# FMCN5450 CAD Drawing

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