

SMA Female Connector Solder Attachment 4 Hole Flange for FM-SR047ALTN, FM- SR047CU Cable, .340 inch Hole Spacing



FMCN49841

Configuration

- SMA Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: FM-SR047ALTN, FM-SR047CU
- 4 Hole Flange

Features

- Operating Frequency of 18 GHz Max.
- Excellent VSWR of 1.2:1
- Gold over Nickel Plated Beryllium Copper Contact
- 50 μ m minimum contact plating

Applications

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

Description

SMA Female 4 hole Flange Mount Standard 4 hole Flange Mount Connector Solder/Solder Attachment for FM-SR047ALTN and FM-SR047CU Cable, part number FMCN49841, from Fairview Microwave is in-stock and ships same day. This SMA female connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.2:1. Fairview's FMCN49841 4 hole flange 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 SMA female 4 hole flange connector FMCN49841 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		18	GHz
VSWR			1.2:1	
Insertion Loss			0.17	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Corona Discharge			375	Vrms
Insulation Resistance	5,000			MOhms
RF Leakage	-90			dB
Impedance		50		Ohms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 14	14 to 18				GHz
VSWR, Max	1.13:1	1.2:1				

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Mechanical Specifications

Size	
Length	0.44 in [11.18 mm]
Width	0.5 in [12.70 mm]
Height	0.5 in [12.7 mm]
Weight	0.012 lbs [5.44 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PTFE	
Body	Stainless Steel	Gold over Nickel 50 µin minimum

Environmental Specifications

Temperature

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

Plotted and Other Data

Notes:

SMA Female Connector Solder Attachment 4 Hole Flange for FM-SR047ALTN, FM-SR047CU Cable, .340 inch Hole Spacing 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: [SMA Female Connector Solder Attachment 4 Hole Flange for FM-SR047ALTN, FM-SR047CU Cable, .340 inch Hole Spacing FMCN49841](#)

URL: <https://www.fairviewmicrowave.com/sma-female-fm-sr047altn-coil-fm-sr047cu-coil-fm-sr047cutn-coil-connector-fmcn49841-p.aspx>

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.

FMCN49841 CAD Drawing

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