

RA SMA Male to SMA Female Bulkhead Cable RG405 Type .086 Coax in 100 CM

The RA SMA male to SMA female bulkhead 100 cm cable using RG405 type .086 coax, part number FMCA2953-100CM, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a male to female gender configuration with 50 ohm semi-rigid FM-SR086CU-STR coax. Fairview Microwave's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. The FMCA2953-100CM SMA male to SMA female cable assembly operates to 12.4 GHz. The right angle SMA interface on the FM-SR086CU-STR cable allows for easier connections in tight spaces. Our RF cable assembly with SMA bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Min	T	ур	Max	U	Inits
DC			12.4		GHz
			1.5:1		
	69	9.5			%
-110					dB
	29.4 [96.46]		pF/fl	t [pF/m]
	DC -110	DC 69	DC 69.5	DC 12.4 1.5:1 69.5 -110	DC 12.4 1.5:1 69.5

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	5	12.4		GHz
Insertion Loss (Typ.)	1.03	1.34	1.87	3.24		dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Length* 39.37 in [100 cm] Weight 0.066 lbs [29.94 g]

Cable

Cable Type FM-SR086CU-STR Impedance 50 Ohms Inner Conductor Type Solid

FMCA2953-100CM DATA SHEET



Configuration:

- SMA Male Right Angle
- SMA Female Bulkhead
- FM-SR086CU-STR

Features:

- Max Frequency 12.4 GHz
- Shielding Effectivity > -110 dB
- 69.5% Phase Velocity

Applications:

- General Purpose
- Laboratory Use

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Inner Conductor Material and Plating Copper Clad Steel, Silver Dielectric Type PTFE

Dielectric Type Number of Shields

Outer Conductor Material and Plating Copper

Repeated Minimum Bend Radius

0.05 in [1.27 mm]

Connectors

Description	Connector 1	Connector 2		
Туре	SMA Male	SMA Female		
Mount Method		Bulkhead		
Specification	MIL-STD-348A			
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold over Nic		
Contact Plating Spec.	50 μin minimum			
Dielectric Type	PTFE	PTFE		
Body Material & Plating	Stainless Steel, Gol	ld Brass, Gold over Nic	ckel	
Body Plating Spec.	30 μin minimum			
Coupling Nut Material & Pla	ting Brass, Nickel			
Coupling Nut Plating Spec.	100 μin minimum			
Hex Size	5/16 inch			
Torque	3 in-lbs 0.34 Nm	1		

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Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

Example: FMCA2953-12 = 12 inches long cable

FMCA2953-100cm = 100 cm long cable





RA SMA Male to SMA Female Bulkhead Cable RG405 Type .086 Coax in 100 CM from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: RA SMA Male to SMA Female Bulkhead Cable RG405 Type .086 Coax in 100 CM FMCA2953-100CM

URL: https://www.fairviewmicrowave.com/ra-sma-male-to-sma-female-bulkhead-cable-rg405-type-.086-coax-fmca2953-100cm-p.aspx



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