

SMA Female 4 Hole Flange to SMA Female 4 Hole Flange Cable Tinned Aluminum RG405 Type .086 Coax in 100 CM

The SMA female 4 hole flange to SMA female 4 hole flange 100 cm cable using Tinned Aluminum RG405 type .086 coax, part number FMCA3012-100CM, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a female to female gender configuration with 50 ohm semi-rigid FM-SR086ALTN-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 FMCA3012-100CM SMA female to SMA female cable assembly operates to 40 GHz. Our RF cable assembly with SMA 4 hole flange 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

Description	Min	Ty	/р Мах	Units
Frequency Range	DC		40	GHz
VSWR			1.5:1	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	20	GHz
Insertion Loss (Typ.)	0.96	1.16	1.68	2.63	4.5	dB

Electrical Specification Notes:

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

Mechanical Specifications

Cable Assembly

Length* 39.37 in [100 cm] Weight 0.041 lbs [18.6 g]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Shield Layer 1

FM-SR086ALTN-STR 50 Ohms Solid Copper Clad Steel, Silver PTFE 1 Tinned Aluminum

FMCA3012-100CM DATA SHEET



Configuration:

- SMA Female 4 Hole Flange
- SMA Female 4 Hole Flange
- FM-SR086ALTN-STR

Features:

Max Frequency 40 GHz

Applications:

- General Purpose
- Laboratory Use

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com

sales@fairviewmicrowave.com





Connectors

Description	Connector 1	Connector 2			
Туре	SMA Female	SMA Female			
Mount Method	4 Hole Flange	4 Hole Flange			
Impedance	50 Ohms	50 Ohms			
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold			
Contact Plating Spec.	MIL-G-45204	MIL-G-45204			
Dielectric Type	PTFE	PTFE			
Body Material & Plating	Stainless Steel, Gold	Stainless Steel, Gold			
Body Plating Spec.	MIL-G-45204	MIL-G-45204			

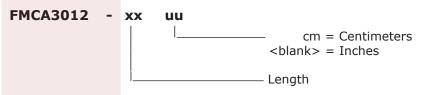
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: FMCA3012-12 = 12 inches long cable

FMCA3012-100cm = 100 cm long cable

SMA Female 4 Hole Flange to SMA Female 4 Hole Flange Cable Tinned Aluminum 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: SMA Female 4 Hole Flange to SMA Female 4 Hole Flange Cable Tinned Aluminum RG405 Type .086 Coax in 100 CM FMCA3012-100CM

URL: https://www.fairviewmicrowave.com/sma-female-4-hole-flange-to-sma-female-4-hole-flange-cable-rg405-type-.086-coax-fmca3012-100cm-p.aspx

The information contained in 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 any liability arising out of the use of any part or documentation.

301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689