

SMP Female to RA Mini SMP Female Cable RG405 Type .086 Coax with Heat Shrink in 100CM

The SMP female to RA Mini SMP female 100 cm cable using RG405 type .086 coax, part number FMC00937-100CM, from Fairview Microwave is in-stock and ships same day. This Fairview SMP to Mini SMP cable assembly has a female to female gender configuration with 50 ohm semi-rigid FM-SR086ALTN 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 FMC00937-100CM SMP female to Mini SMP female cable assembly operates to 18 GHz. The right angle Mini SMP interface on the FM-SR086ALTN cable allows for easier connections in tight spaces.

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	Т	ур	Max	Units
Frequency Range	DC			18	GHz
VSWR				1.4:1	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	1.06	1.27	1.8	2.75	4.27	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 SMP connector and 0.2 dB per Mini SMP Connector.

Mechanical Specifications

Cable Assembly

Length* 39.37 in [100 cm] Weight 0.028 lbs [12.7 g]

Cable

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

Outer Conductor Material and Plating

One Time Minimum Bend Radius

50 Ohms Solid Copper Clad Steel, Silver PTFE 0 Aluminum, Tin

0.07 in [1.78 mm]

FM-SR086ALTN

FMC00937-100CM DATA SHEET



Configuration:

- SMP Female
- Mini SMP Female Right Angle
- FM-SR086ALTN

Features:

Max Frequency 18 GHz

Applications:

- General Purpose
- · Laboratory Use

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Connectors

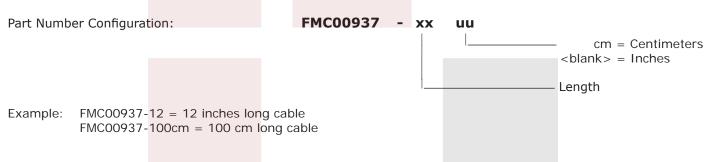
Description	Connect	or 1	Connector 2		
Туре	SMP Fem	SMP Female		Mini SMP Female	
Specification	MIL-STD-3	MIL-STD-348A			
Impedance	50 Ohn	50 Ohms		50 Ohms	
Contact Material & Plating	Beryllium Cop	Beryllium Copper, Gold		Beryllium Copper, Gold	
Contact Plating Spec.	30 µin mini	30 μin minimum		MIL-G-45204	
Dielectric Type	PTFE	PTFE		PTFE	
Outer Cond Material & Platin	ig Beryllium Cop	Beryllium Copper, Gold		Beryllium Copper, Gold	
Outer Cond Plating Spec.	3 µin minir	num			
Body Material & Plating			Beryllium Coppe	er, Gold	
Body Plating Spec.			MIL-G-452	04	
/ironmental Specific Temperature	ations				
Operating Range		-55 to	+125 deg C		

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order



SMP Female to RA Mini SMP Female Cable RG405 Type .086 Coax with Heat Shrink in 100CM 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: SMP Female to RA Mini SMP Female Cable RG405 Type .086 Coax with Heat Shrink in 100CM FMC00937-100CM

URL: https://www.fairviewmicrowave.com/smp-female-ra-mini-smp-female-cable-rg405-type-.086-coax-fmc00937-100cm-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.

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