

## SMP Female to RA Mini SMP Female Cable RG405 Type .086 Coax with Heat Shrink

The SMP female to RA Mini SMP female cable using RG405 type .086 coax, part number FMC00937, 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 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	Typ	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.)	0.23	0.294	0.455	0.745	1.21	dB/ft
	0.75	0.96	1.49	2.44	3.97	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per SMP connector and 0.2 dB per Mini SMP Connector.

### Mechanical Specifications

#### Cable Assembly

Weight 0.007 lbs [3.18 g]

#### Cable

Cable Type FM-SR086ALTN  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper Clad Steel, Silver  
 Dielectric Type PTFE  
 Number of Shields 0  
 Outer Conductor Material and Plating Aluminum, Tin

One Time Minimum Bend Radius 0.07 in [1.78 mm]



### 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	Connector 1	Connector 2
Type	SMP Female	Mini SMP Female
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	30 µin minimum	MIL-G-45204
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Outer Cond Plating Spec.	3 µin minimum	
Body Material & Plating		Beryllium Copper, Gold
Body Plating Spec.		MIL-G-45204

**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: **FMC00937 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

Example: FMC00937-12 = 12 inches long cable  
FMC00937-100cm = 100 cm long cable

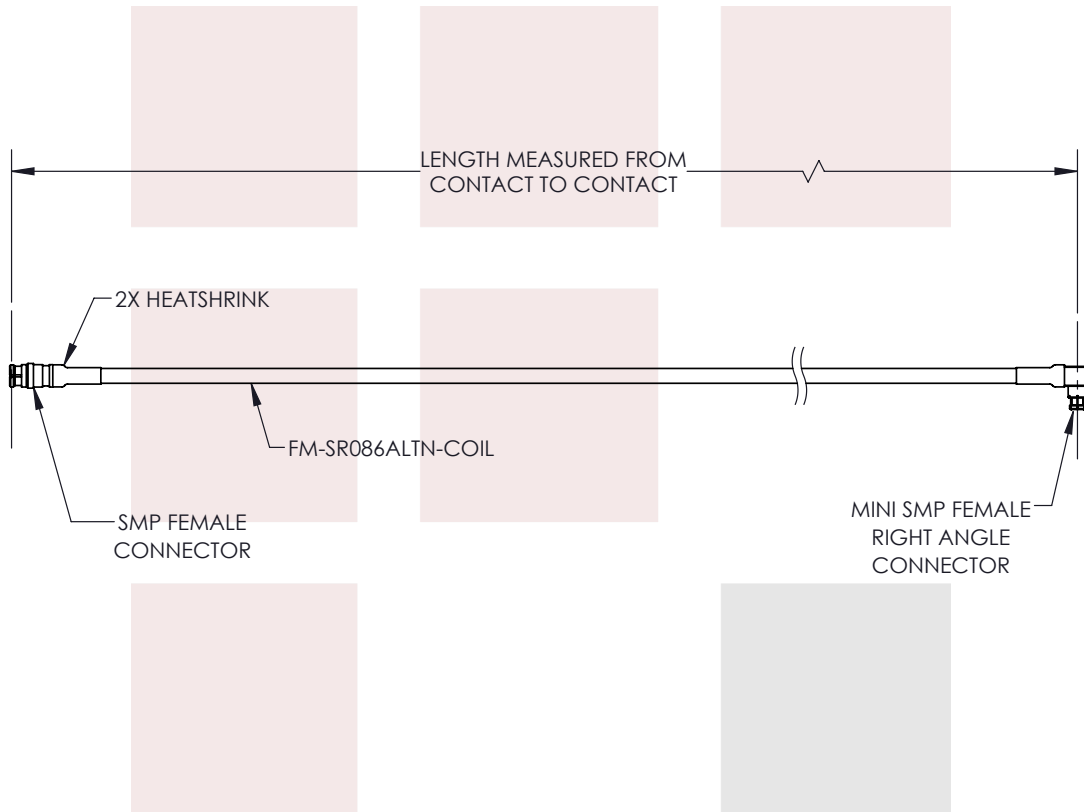
SMP Female to RA Mini SMP Female Cable RG405 Type .086 Coax with Heat Shrink from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [SMP Female to RA Mini SMP Female Cable RG405 Type .086 Coax with Heat Shrink FMC00937](#)

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

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	08/10/2022	AGANWANI



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<p><b>Fairview Microwave</b> an INFINIT<sup>®</sup> brand</p>	<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p>		<p>THIRD-ANGLE PROJECTION</p>	
	<p>TOLERANCES:</p> <p>.X = ±.2 [ .51]    FRACTIONS ± 1/32 .XX = ±.02 [ .51]    ANGLES ± 1° .XXX = ±.005 [ .13]</p>		<p>CABLE LENGTH (L) TOLERANCES:</p> <p>L ≤ 12 [305] = +1 [25] / -0 12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0 60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0 120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0 300 [7620] &lt; L = +5%L / -0</p>	
<p>TITLE</p> <p>SMP Female to RA Mini SMP Female Cable RG405 Type .086 Coax with Heat Shrink</p>			<p>SCALE</p> <p>N/A</p>	
<p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>			<p>ITEM NO. FMC00937</p>	
SIZE A	CAGE CODE 3FKR5	DRAWN BY BPUCHASKI	REV A	

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