

**RA SMP Female to RA SMP Female Cable FM-F086 Coax**

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.4:1	
Velocity of Propagation		70.6		%
Capacitance		28.95 [94.98]		pF/ft [pF/m]

**Mechanical Specifications**

**Cable Assembly**

Diameter	0.265 in [6.73 mm]
Weight	0.00176 lbs [0.8 g]

**Cable**

Cable Type	FM-F086
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Tape
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Blue
Jacket Diameter	0.104 in [2.64 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMP Female	SMP Female
Polarity	Standard	Standard
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	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Plating Spec.	MIL-G-45204	MIL-G-45204

**Environmental Specifications**

**Temperature**

Operating Range	-65 to +165 deg C
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**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

**Plotted and Other Data**

Notes:

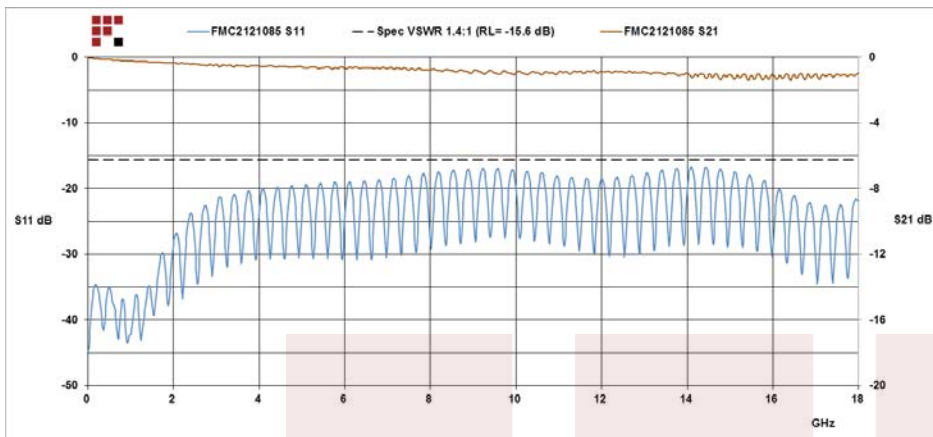


**Configuration:**

- SMP Female Right Angle
- SMP Female Right Angle
- FM-F086

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**Typical Performance Data**



**How to Order**

Part Number Configuration:

**FMC2121085 - xx uu**

cm = Centimeters  
 <blank> = Inches  
 Length

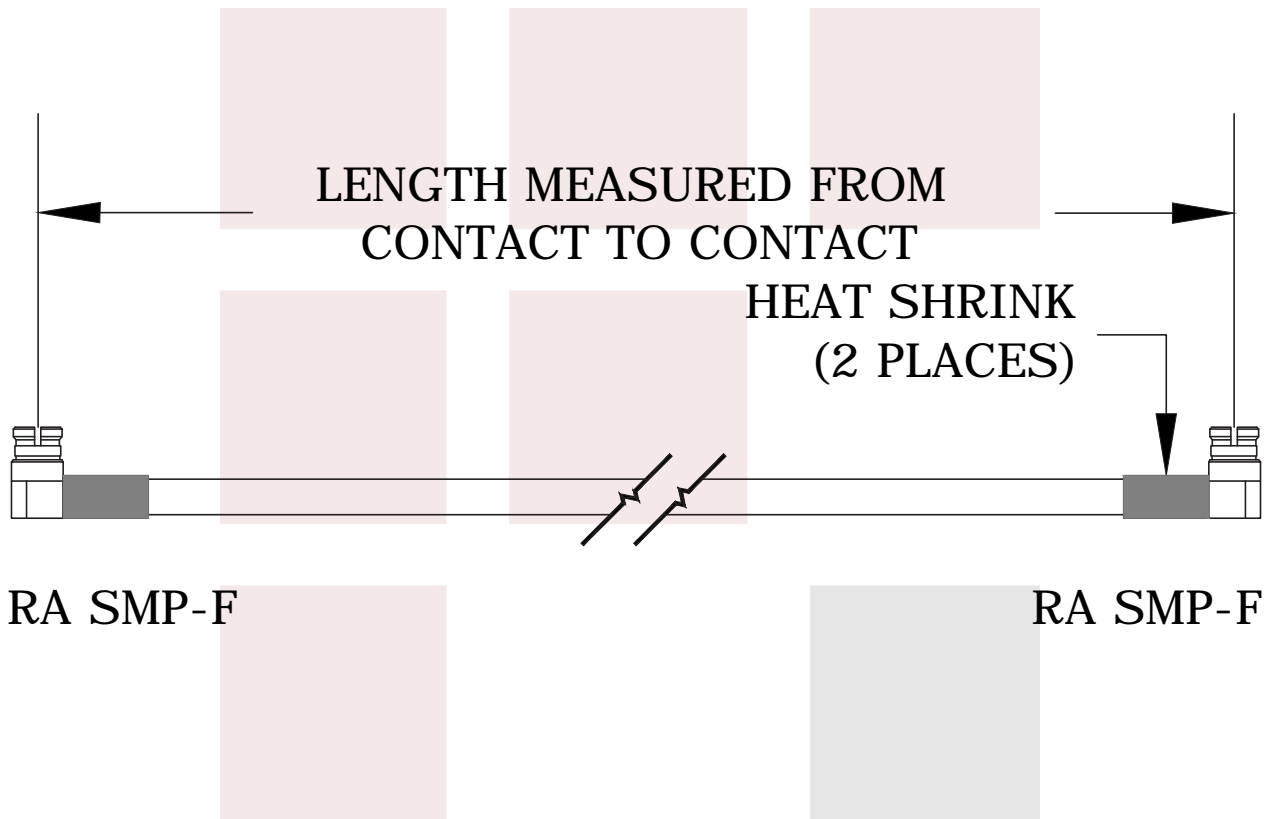
Example: FMC2121085-12 = 12 inches long cable  
 FMC2121085-100cm = 100 cm long cable

RA SMP Female to RA SMP Female Cable FM-F086 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic 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 SMP Female to RA SMP Female Cable FM-F086 Coax FMC2121085](#)

URL: <https://www.fairviewmicrowave.com/ra-smp-female-ra-smp-female-cable-hs086-coax-fmc2121085-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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TITLE RA SMP Female to RA SMP Female Cable FM-F086 Coax		DWG NO <b>FMC2121085</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	103114	SHEET	SCALE	N/A	SIZE A 5568