

SMA Male to RA SMP Female Cable FM-F086 Coax

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.35:1	
Velocity of Propagation		70.6		%
Capacitance		28.95 [94.98]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.00573 lbs [2.6 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	SMA Male	SMP Female
Polarity	Standard	Standard
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Spec.	50µ in. minimum	MIL-G-45204
Dielectric Type	PTFE	PTFE
Hex Size	5/16 inch	
Torque	4 in-lbs [0.45 Nm]	
Body Material & Plating	Brass, Gold	Beryllium Copper, Gold
Body Plating Spec.	3µ in. minimum	MIL-G-45204

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

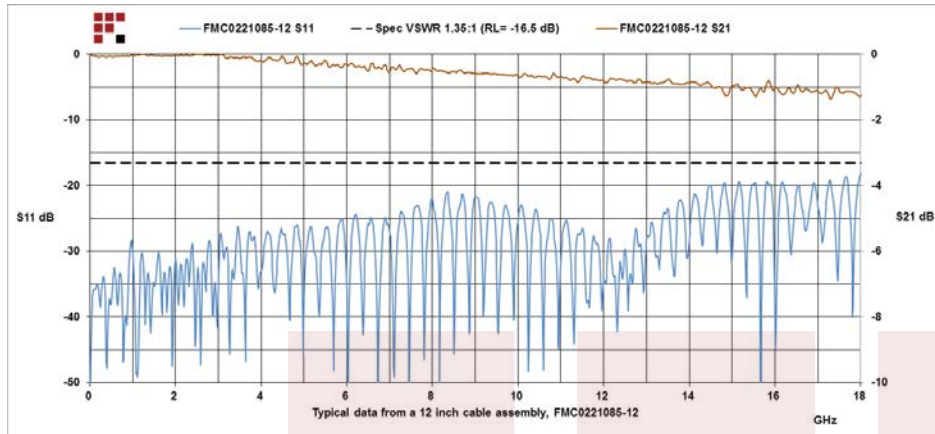


Configuration:

- SMA Male
- SMP Female Right Angle
- FM-F086

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Typical Performance Data



How to Order

Part Number Configuration:

FMC0221085 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

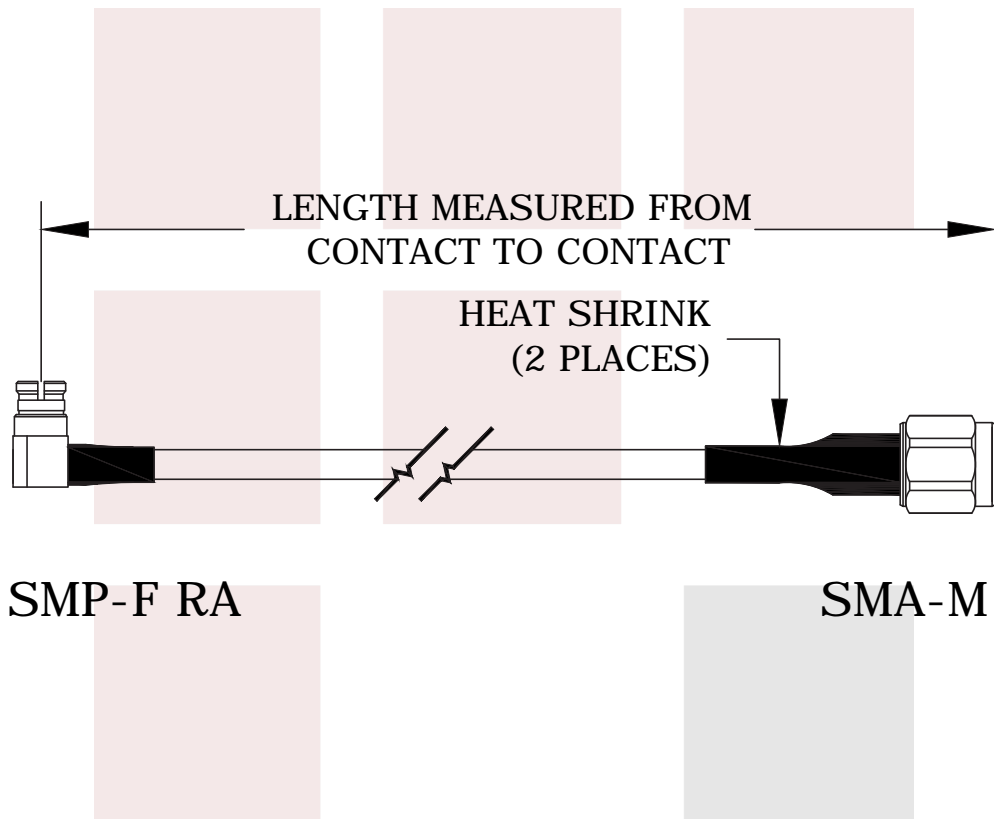
Example: FMC0221085-12 = 12 inches long cable
 FMC0221085-100cm = 100 cm long cable

SMA Male 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: [SMA Male to RA SMP Female Cable FM-F086 Coax FMC0221085](https://www.fairviewmicrowave.com/sma-male-ra-smp-female-cable-hs086-coax-fmc0221085-p.aspx)

URL: <https://www.fairviewmicrowave.com/sma-male-ra-smp-female-cable-hs086-coax-fmc0221085-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 SMA Male to RA SMP Female Cable FM-F086 Coax		DWG NO FMC0221085		CAGE CODE 3FKR5	
CAD FILE	091715	SHEET		SCALE	N/A
		SIZE	A		5568