Fairview Microwave
an INFINITE brand

FMC0222085LF-12
DATA SHEET

SMA Male to SMP Female Cable FM-F086 Coax in 12 Inch with LF Solder

The SMA male to SMP female 12 inch cable using FM-F086 coax, part number FMC0222085LF-12, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMP cable assembly has a male to female gender configuration with 50 ohm flexible FM-F086 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0222085LF-12 SMA male to SMP female cable assembly operates to 18 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

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			1.35:1	
Velocity of Propagation		70.6		%
Capacitance		28.95 [94.98]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Length*	12 in [304.8 mm]
Weight	0.1167 lbs [52.93 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]

Configuration:

- SMA Male
- SMP Female
- FM-F086

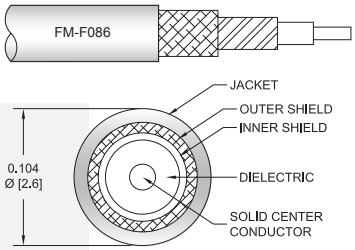
Features:

- Max Frequency 18 GHz
- 70.6% Phase Velocity
- Double Shielded
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use

Cable Diagram:



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

Copyright © 2020

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMP Female
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Spec.		30µ in. minimum
Dielectric Type	PTFE	PTFE
Body Material & Plating	Stainless Steel	Beryllium Copper, Gold
Body Plating Spec.		30µ in. minimum
Hex Size	5/16 inch	

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FMC0222085LF - xx uu**

- uu: cm = Centimeters; <blank> = Inches
- xx: Length

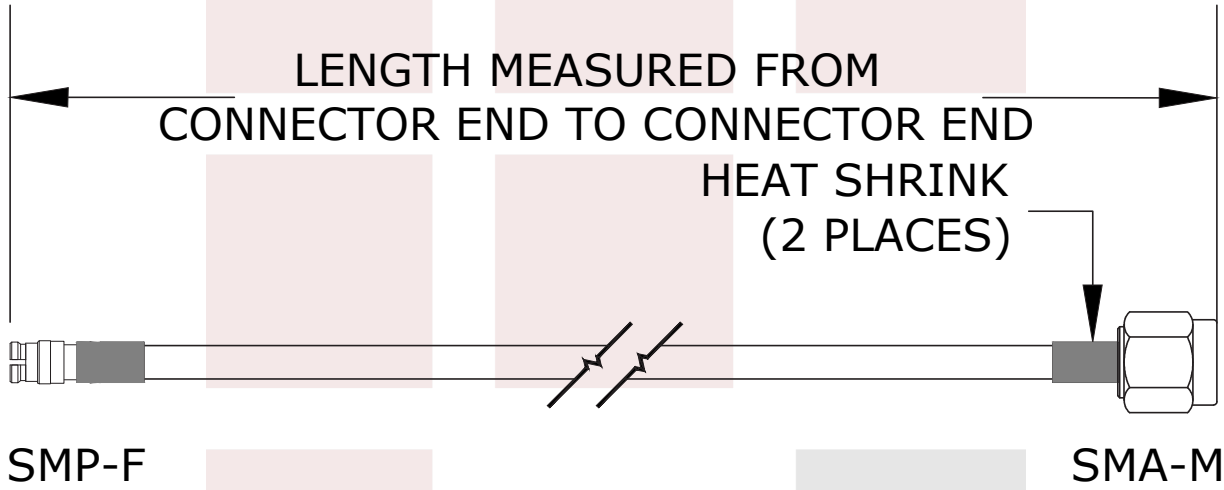
Example: FMC0222085LF-12 = 12 inches long cable
FMC0222085LF-100cm = 100 cm long cable

SMA Male to SMP Female Cable FM-F086 Coax in 12 Inch with LF Solder 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 Male to SMP Female Cable FM-F086 Coax in 12 Inch with LF Solder FMC0222085LF-12

URL: https://www.fairviewmicrowave.com/standard-sma-male-smp-female-cable-fmf086-coax-fmc0222085lf-12-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.



FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM	NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].				
TITLE SMA Male to SMP Female Cable FM-F086 Coax in 12 Inch with LF Solder	DWG NO FMC0222085LF		CAGE CODE 3FKR5		
	CAD FILE 113015	SHEET	SCALE N/A	SIZE A	5568

Copyright © 2020