

SMA Male to RA Mini SMP Female
Cable FM-F086 Coax in 12 Inch



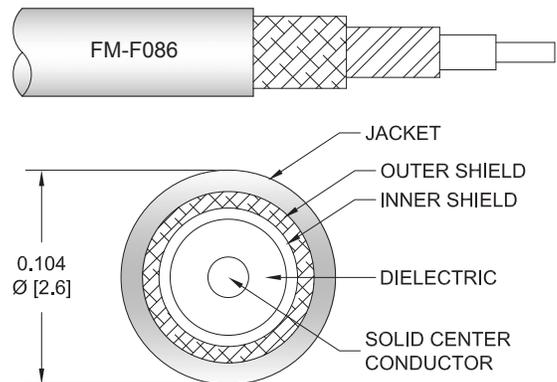
FMC0248085-12

Configuration

- Connector 1: SMA Male
- Connector 2: Mini SMP Female Right Angle
- Cable Type: FM-F086
- Coax Flex Type: Flexible

Features

- Max Frequency 18 GHz
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

The SMA male to RA Mini SMP female 12 inch cable using FM-F086 coax, part number FMC0248085-12, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to Mini 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 FMC0248085-12 SMA male to Mini SMP female cable assembly operates to 18 GHz. The right angle Mini SMP interface on the FM-F086 cable allows for easier connections in tight spaces. 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.35:1	

Mechanical Specifications

Cable Assembly

Length	12 in [304.8 mm]
Width/Diameter	0.265 in [6.73 mm]
Weight	0.03177 lbs [14.41 g]

Cable

Cable Type	FM-F086
Impedance	50 Ohms
Inner Conductor Type	Solid

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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	Mini SMP Female Right Angle
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	MIL-G-45204	MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material and Plating	Stainless Steel, Passivated	Beryllium Copper, Gold
Body Plating Specification		MIL-G-45204

Environmental Specifications

Operating Range Temperature	-65 to +165 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

SMA Male to RA Mini SMP Female
Cable FM-F086 Coax in 12 Inch



FMC0248085-12

Typical Performance Data

How to Order

Part Number Configuration:

FMC0248085

- **xx**

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Example: FMC0248085-12 = 12 inches long cable
FMC0248085-100cm = 100 cm long cable

SMA Male to RA Mini SMP Female Cable FM-F086 Coax in 12 Inch from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

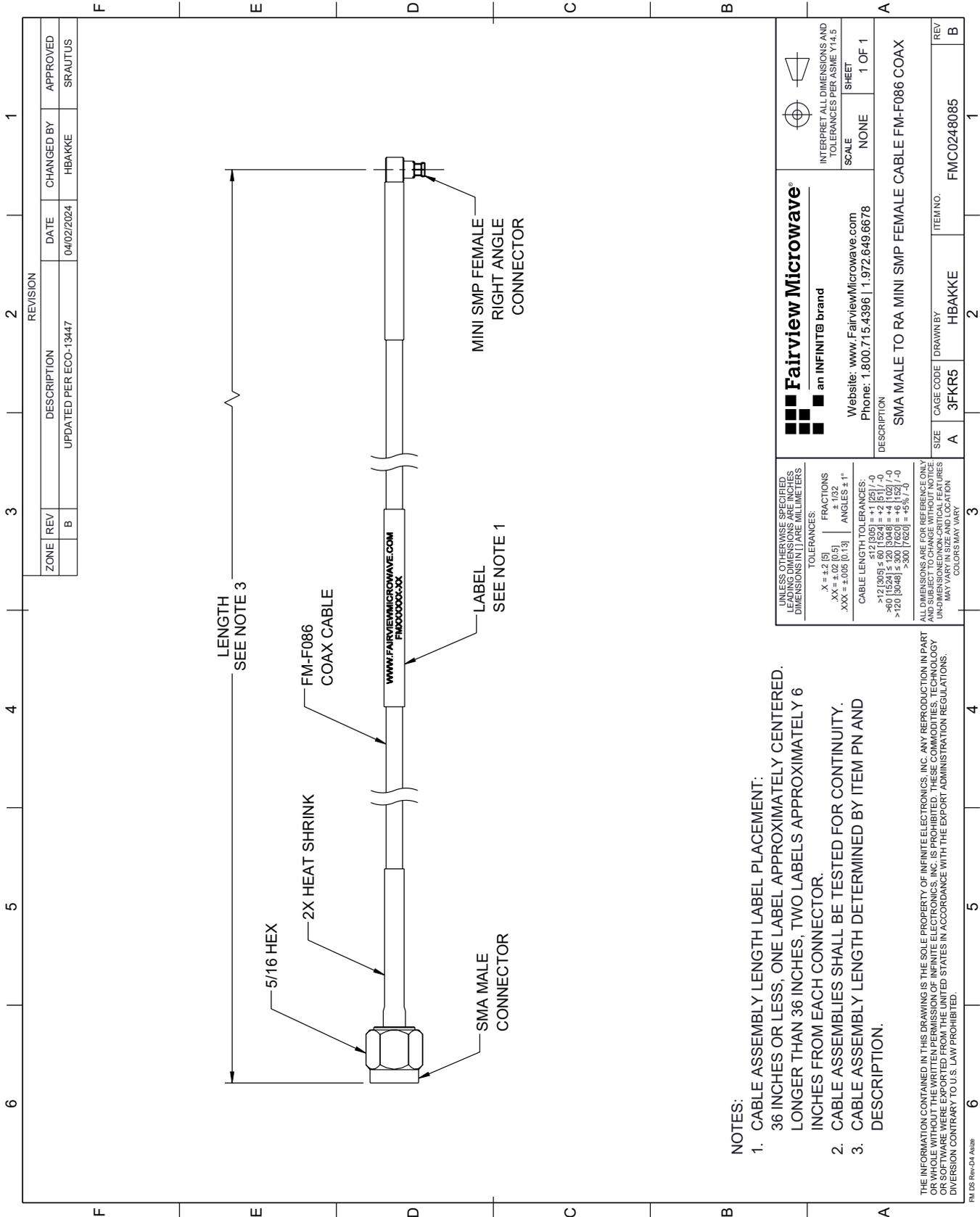
For additional information on this product, please click the following link: [SMA Male to RA Mini SMP Female Cable FM-F086 Coax in 12 Inch FMC0248085-12](https://www.fairviewmicrowave.com/standard-sma-male-ra-mini-smp-female-cable-fmf086-coax-fmc0248085-12-p.aspx)

URL: <https://www.fairviewmicrowave.com/standard-sma-male-ra-mini-smp-female-cable-fmf086-coax-fmc0248085-12-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

FMC0248085-12 CAD Drawing

SMA Male to RA Mini SMP Female Cable FM-F086 Coax in 12 Inch



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION		
	B	UPDATED PER ECO-13447	HBAKKE	SRAUTUS

 Fairview Microwave® an INFINIT® brand		
Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
DESCRIPTION: SMA MALE TO RA MINI SMP FEMALE CABLE FM-F086 COAX		
SIZE	CAGE CODE	ITEM NO.
A	3FKR5	FMC0248085

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]
 FRACTIONS ± 1/32
 ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 >12 [305] ≤ 60 [1524] = ±.1 [25] / -0
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0
 >120 [3048] ≤ 300 [7620] = ±.6 [152] / -0
 >300 [7620] = ±.6 [152] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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- NOTES:
- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
 - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
 - CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.