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Fairview Microwave
RF COMPONENTS ON DEMAND. Done!

# FMC0202085
# DATA SHEET

## SMA Male to SMA Male Cable FM-F086 Coax



### Configuration:

- SMA Male
- SMA Male
- HS086

### 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**

| | |
|---|---|
| Diameter | 0.3125 in [7.94 mm] |
| Weight | 0.0097 lbs [4.4 g] |

**Cable**

| | |
|---|---|
| Cable Type | HS086 |
| 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 | SMA Male |
| Configuration | Straight | Straight |
| Polarity | Standard | Standard |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material & Plating | Brass, Gold | Brass, Gold |
| Dielectric Type | PTFE | PTFE |
| Hex Size | 5/16 inch | 5/16 inch |
| Body Material & Plating | Stainless Steel | Stainless Steel |

### Environmental Specifications

**Temperature**

| | |
|---|---|
| Operating Range | -65 to +165 deg C |

### Compliance Certifications (visit www.FairviewMicrowave.com for current document)

### Plotted and Other Data

Notes:

Fairview Microwave
1130 Junction Dr. #100
Allen, TX 75013
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
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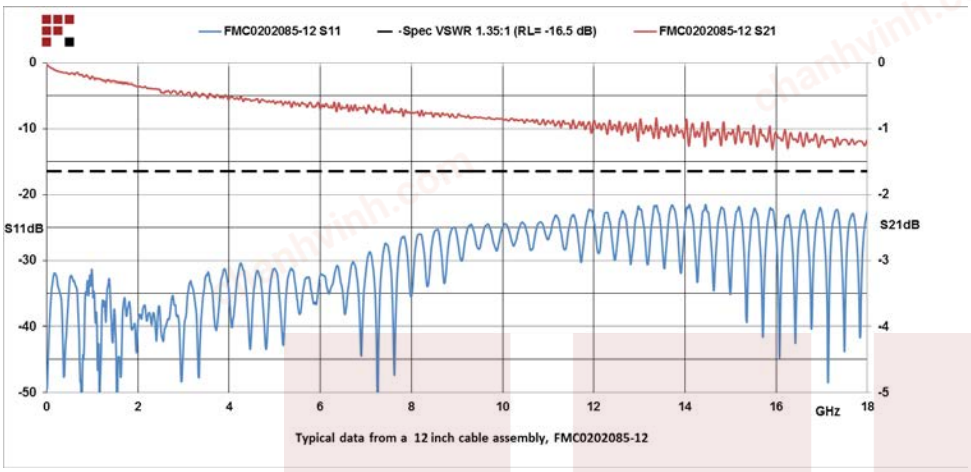
## Typical Performance Data




## How to Order

Part Number Configuration: **FMC0202085 - xx uu**

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

Example: FMC0202085-12 = 12 inches long cable
FMC0202085-100cm = 100 cm long cable

SMA Male to SMA Male 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 SMA Male Cable FM-F086 Coax FMC0202085

URL: http://www.fairviewmicrowave.com/sma-male-sma-male-cable-hs086-coax-fmc0202085-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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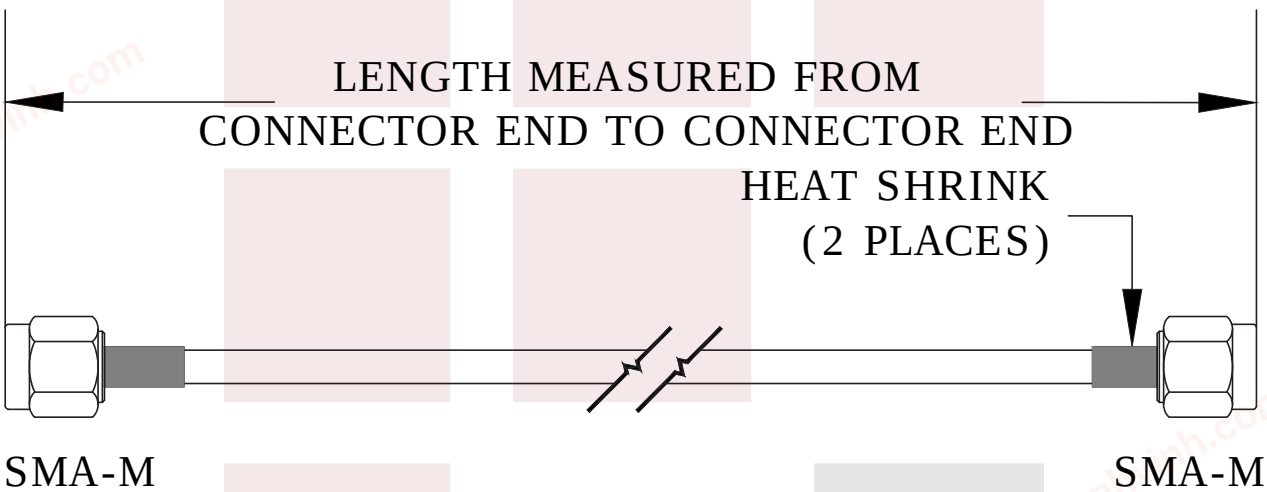


| | | | | | |
|---|---|---|---|---|---|
| FAIRVIEW MICROWAVE INC.<br>ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM | NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. | | | | |
| TITLE<br>SMA Male to SMA Male Cable FM-F086 Coax | DWG NO<br>FMC0202085 | CAGE CODE<br>3FKR5 | | | |
| | CAD FILE 103114 | SHEET | SCALE N/A | SIZE A | 5568 |

1130 Junction Dr. #100 Allen, TX 75013 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689

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