

## SMA Female 2 Hole Flange to SMA Female 2 Hole Flange Cable Tinned Aluminum RG405 Type .086 Coax in 150 CM

The SMA female 2 hole flange to SMA female 2 hole flange 150 cm cable using Tinned Aluminum RG405 type .086 coax, part number FMCA3013-150CM, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a female to female gender configuration with 50 ohm semi-rigid FM-SR086ALTN-STR coax. Fairview Microwave's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. The FMCA3013-150CM SMA female to SMA female cable assembly operates to 18 GHz. Our RF cable assembly with SMA 2 hole flange interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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                                 |     |     | 1.5:1 |       |
| Dielectric Withstanding Voltage (AC) |     |     | 1,000 | Vrms  |

### Performance by Frequency

| Description           | F1   | F2   | F3   | F4  | F5   | Units |
|-----------------------|------|------|------|-----|------|-------|
| Frequency             | 1    | 2    | 4.5  | 9   | 18   | GHz   |
| Insertion Loss (Typ.) | 1.29 | 1.58 | 2.37 | 3.8 | 5.72 | dB    |

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

### Mechanical Specifications

#### Cable Assembly

Length\* 59.06 in [150.01 cm]  
Weight 0.052 lbs [23.59 g]

#### Cable

Cable Type FM-SR086ALTN-STR  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE  
Number of Shields 1  
Outer Conductor Material and Plating Tinned Aluminum



### Configuration:

- SMA Female 2 Hole Flange
- SMA Female 2 Hole Flange
- FM-SR086ALTN-STR

### Features:

- Max Frequency 18 GHz

### Applications:

- General Purpose
- Laboratory Use

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Repeated Minimum Bend Radius 0.05 in [1.27 mm]

**Connectors**

| Description                | Connector 1            | Connector 2            |
|----------------------------|------------------------|------------------------|
| Type                       | SMA Female             | SMA Female             |
| Mount Method               | 2 Hole Flange          | 2 Hole Flange          |
| Specification              | MIL-STD-348            | MIL-STD-348            |
| 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    | Stainless Steel, Gold  | Stainless Steel, Gold  |
| Body Plating Spec.         | MIL-G-45204            | MIL-G-45204            |

**Environmental Specifications**

**Temperature**

Operating Range -55 to +125 deg C

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration: **FMCA3013 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

Example: FMCA3013-12 = 12 inches long cable  
FMCA3013-100cm = 100 cm long cable

SMA Female 2 Hole Flange to SMA Female 2 Hole Flange Cable Tinned Aluminum RG405 Type .086 Coax in 150 CM 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 Female 2 Hole Flange to SMA Female 2 Hole Flange Cable Tinned Aluminum RG405 Type .086 Coax in 150 CM FMCA3013-150CM](#)

URL: <https://www.fairviewmicrowave.com/sma-female-2-hole-flange-to-sma-female-2-hole-flange-cable-rg405-type-.086-coax-fmca3013-150cm-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.

