

## SMA Male to RA SMA Male Cable Tinned Copper RG405 Type .086 Coax in 48 Inch

The SMA male to RA SMA male 48 inch cable using Tinned Copper RG405 type .086 coax, part number FMCA3066-48, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a male to male gender configuration with 50 ohm semi-rigid FM-SR086CUTN-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 FMCA3066-48 SMA male to SMA male cable assembly operates to 12.4 GHz. The right angle SMA interface on the FM-SR086CUTN-STR cable allows for easier connections in tight spaces.

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		12.4	GHz
VSWR			1.5:1	

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	5	12.4		GHz
Insertion Loss (Typ.)	1.18	1.54	2.18	3.86		dB

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

### Mechanical Specifications

#### Cable Assembly

Length*	48 in [121.92 cm]
Weight	0.075 lbs [34.02 g]

#### Cable

Cable Type	FM-SR086CUTN-STR
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Tinned Copper

One Time Minimum Bend Radius	0.05 in [1.27 mm]
------------------------------	-------------------



### Configuration:

- SMA Male
- SMA Male Right Angle
- FM-SR086CUTN-STR

### Features:

- Max Frequency 12.4 GHz

### Applications:

- General Purpose
- Laboratory Use

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](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

## Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold over Nickel	Brass, Gold
Contact Plating Spec.		50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Gold over Nickel	Stainless Steel, Gold
Body Plating Spec.		30 µin minimum
Coupling Nut Material & Plating	Passivated Stainless Steel	Brass, Nickel
Coupling Nut Plating Spec.		100 µin minimum
Hex Size	5/16 inch	5/16 inch
Torque	8 in-lbs 0.9 Nm	3 in-lbs 0.34 Nm

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

## Plotted and Other Data

Notes:

## How to Order

Part Number Configuration:

**FMCA3066 - xx uu**

cm = Centimeters  
 <blank> = Inches

Length

Example: FMCA3066-12 = 12 inches long cable  
 FMCA3066-100cm = 100 cm long cable

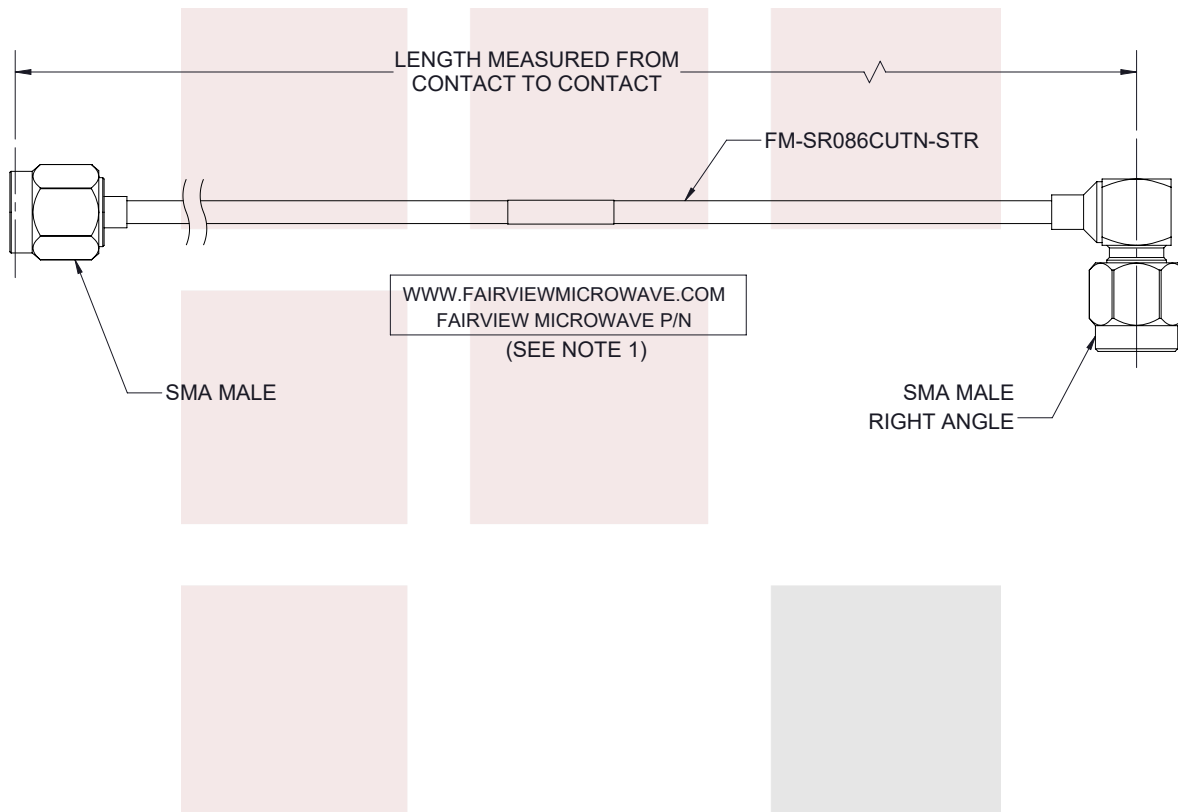
SMA Male to RA SMA Male Cable Tinned Copper RG405 Type .086 Coax in 48 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [SMA Male to RA SMA Male Cable Tinned Copper RG405 Type .086 Coax in 48 Inch FMCA3066-48](#)

URL: <https://www.fairviewmicrowave.com/sma-male-to-ra-sma-male-cable-rg405-type-.086-coax-fmca3066-48-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.

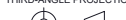
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/27/22	AGANWANI



**NOTES:**

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED.  
CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END  
6.0" FROM THE FRONT OF THE CONNECTOR.

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

<div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div> <div><div>Fairview Microwave</div><div>an INFINITI® brand</div></div>		<div>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</div> <div><div>TOLERANCES:</div><div><div>.X = ±.2 [ .508 ]</div><div>FRACTIONS ± 1/32</div><div>.XX = ±.02 [ .51 ]</div><div>± 1/32</div><div>.XXX = ±.005 [ .13 ]</div><div>ANGLES ± 1°</div></div></div> <div><div>CABLE LENGTH (L) TOLERANCES:</div><div><div>L ≤ 12 [305] = +1 [25] / -0</div><div>12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0</div><div>60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0</div><div>120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0</div><div>300 [7620] &lt; L = +5%L / -0</div></div></div>				<div>THIRD-ANGLE PROJECTION</div> <div></div> <div>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</div> <div><div>SHEET 1 OF 1</div><div>SCALE N/A</div></div>	
<div>TITLE</div> <div>SMA Male to RA SMA Male Cable Tinned Copper RG405 Type .086 Coax in 48 Inch</div>		<div>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</div>		<div>SIZE A CAGE CODE 3FKR5 DRAWN BY VTHANGARAJ ITEM NO. FMCA3066 REV A</div>			

T-Rev.D