

# SMA Male to RA SMA Male Cable Tinned Copper RG405 Type .086 Coax in 100 CM

The SMA male to RA SMA male 100 cm cable using Tinned Copper RG405 type .086 coax, part number FMCA3066-100CM, 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 FMCA3066-100CM 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	T	ур Мах	c Units
Frequency Range	DC		12.4	l 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.)	1.03	1.32	1.85	3.22		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**

Shield Layer 1

Length\* 39.37 in [100 cm] Weight 0.066 lbs [29.94 g]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields

One Time Minimum Bend Radius

FM-SR086CUTN-STR 50 Ohms

Solid

Copper Clad Steel, Silver

PTFE 1

Tinned Copper

0.05 in [1.27 mm]

## FMCA3066-100CM DATA SHEET



## **Configuration:**

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

### Features:

• Max Frequency 12.4 GHz

## **Applications:**

- General Purpose
- Laboratory Use

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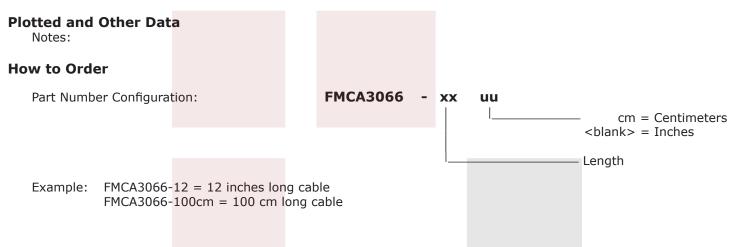




#### **Connectors**

Description		Connector 1			Connector 2		
Туре	SMA M		ale		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	ectric Type		PTFE			PTFE	
Body Material & Plating		Brass, Gold over Nickel			Stainless Steel, Gold		
Body Plating Spec.					30 µin minimum		
Coupling Nut Material & Pla	oupling Nut Material & Plating		Passivated Stainless Steel				
Coupling Nut Plating Spec.					100 µin minimum		
Hex Size		5/16 in	ch		5/16 inch		
Torque		8 in-lbs 0.	9 Nm		3 in-lbs 0.34 Nm		

**Compliance Certifications** (see product page for current document)



SMA Male to RA SMA Male Cable Tinned Copper RG405 Type .086 Coax in 100 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 Male to RA SMA Male Cable Tinned Copper RG405 Type .086 Coax in 100 CM FMCA3066-100 CM

URL: https://www.fairviewmicrowave.com/sma-male-to-ra-sma-male-cable-rg405-type-.086-coax-fmca3066-100cm-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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