

**RA SMA Male to SMA Female Cable Tinned Aluminum  
RG405 Type .086 Coax in 150CM Length**

The RA SMA male to SMA female 150 cm cable using Tinned Aluminum RG405 type .086 coax, part number FMCA3008-150CM, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a male 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 FMCA3008-150CM SMA male to SMA female cable assembly operates to 12.4 GHz. The right angle SMA interface on the FM-SR086ALTN-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.)	1.44	1.91	2.7	4.88		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\* 59.0551 in [150 cm]  
Weight 0.06 lbs [27.22 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  
  
One Time Minimum Bend Radius 0.05 in [1.27 mm]


**Configuration:**

- SMA Male Right Angle
- SMA Female
- FM-SR086ALTN-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 Female
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold over Nickel
Contact Plating Spec.	50 µin minimum	
Dielectric Type	PTFE	PTFE
Body Material & Plating	Stainless Steel, Gold	Brass, Gold over Nickel
Body Plating Spec.	30 µin minimum	
Coupling Nut Material & Plating	Brass, Nickel	
Coupling Nut Plating Spec.	100 µin minimum	
Hex Size	5/16 inch	
Torque	3 in-lbs 0.34 Nm	

**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:

**FMCA3008 - xx uu**

 cm = Centimeters  
 <blank> = Inches  
 Length

 Example: FMCA3008-12 = 12 inches long cable  
 FMCA3008-100cm = 100 cm long cable

RA SMA Male to SMA Female Cable Tinned Aluminum RG405 Type .086 Coax in 150CM Length 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: [RA SMA Male to SMA Female Cable Tinned Aluminum RG405 Type .086 Coax in 150CM Length FMCA3008-150CM](https://www.fairviewmicrowave.com/ra-sma-male-to-sma-female-cable-rg405-type-.086-coax-in-150cm-length-fmca3008-150cm)

URL: <https://www.fairviewmicrowave.com/ra-sma-male-to-sma-female-cable-rg405-type-.086-coax-fmca3008-150cm-p.aspx>

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