

RA MMCX Plug to RA SMA Male Cable Tinned Copper RG405 Type .086 Coax in 36 Inch with LF Solder

The RA MMCX plug to RA SMA male 36 inch cable using Tinned Copper RG405 type .086 coax, part number FMCA3102-36, from Fairview Microwave is in-stock and ships same day. This Fairview MMCX to SMA cable assembly has a plug 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 FMCA3102-36 MMCX plug to SMA male cable assembly operates to 6 GHz. The right angle MMCX and right angle SMA interfaces on the FM-SR086CUTN-STR cable allow 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		6	GHz
VSWR			1.5:1	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	6			GHz
Insertion Loss (Typ.)	1.06	1.35	2.03			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 0.2 dB per connector.

Mechanical Specifications

Cable Assembly

Length*	36 in [914.4 mm]
Weight	0.058 lbs [26.31 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]
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Configuration:

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

Features:

- Max Frequency 6 GHz

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	MMCX Plug	SMA Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Phosphor Bronze, 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		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:

FMCA3102 - xx uu

cm = Centimeters
<blank> = Inches
Length

Example: FMCA3102-12 = 12 inches long cable
FMCA3102-100cm = 100 cm long cable

RA MMCX Plug to RA SMA Male Cable Tinned Copper RG405 Type .086 Coax in 36 Inch with LF Solder 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 MMCX Plug to RA SMA Male Cable Tinned Copper RG405 Type .086 Coax in 36 Inch with LF Solder FMCA3102-36](https://www.fairviewmicrowave.com/ra-mmcx-plug-to-ra-sma-male-cable-rg405-type-.086-coax-in-36-inch-with-lf-solder-fmca3102-36)

URL: <https://www.fairviewmicrowave.com/ra-mmcx-plug-to-ra-sma-male-cable-rg405-type-.086-coax-with-lf-solder-fmca3102-36-p.aspx>

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