

Snap-On BMA Jack to Snap-On BMA Jack Cable Tinned Copper RG405 Type .086 Coax

The BMA jack snap-on to BMA jack snap-on cable using Tinned Copper RG405 type .086 coax, part number FMCA3089, from Fairview Microwave is in-stock and ships same day. This Fairview BMA to BMA cable assembly has a jack to jack 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 FMCA3089 BMA jack to BMA jack cable assembly operates to 20 GHz.

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		20	GHz
VSWR			1.5:1	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	20	GHz
Insertion Loss (Typ.)	0.22	0.28	0.44	0.73	1.2	dB/ft
	0.72	0.92	1.44	2.4	3.94	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.028 lbs [12.7 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:

- Snap-OnBMA Jack
- Snap-OnBMA Jack
- FM-SR086CUTN-STR

Features:

- Max Frequency 20 GHz
- 1000 Mating Cycles

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	BMA Jack	BMA Jack
Impedance	50 Ohms	50 Ohms
Connection Method	Snap-On	Snap-On
Mating Cycles	1,000	1,000
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	51.18μ in. minimum	51.18μ in. minimum
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Material & Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Spec.	19.68μ in. minimum	19.68μ in. minimum

Mechanical Specification Notes:

Maximum length using the straight semi rigid coax is 5ft. For lengths greater than 5ft, please contact us

Environmental Specifications

Temperature

Operating Range -40 to +105 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA3089 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

Example: FMCA3089-12 = 12 inches long cable
 FMCA3089-100cm = 100 cm long cable

Snap-On BMA Jack to Snap-On BMA Jack Cable Tinned Copper RG405 Type .086 Coax 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.

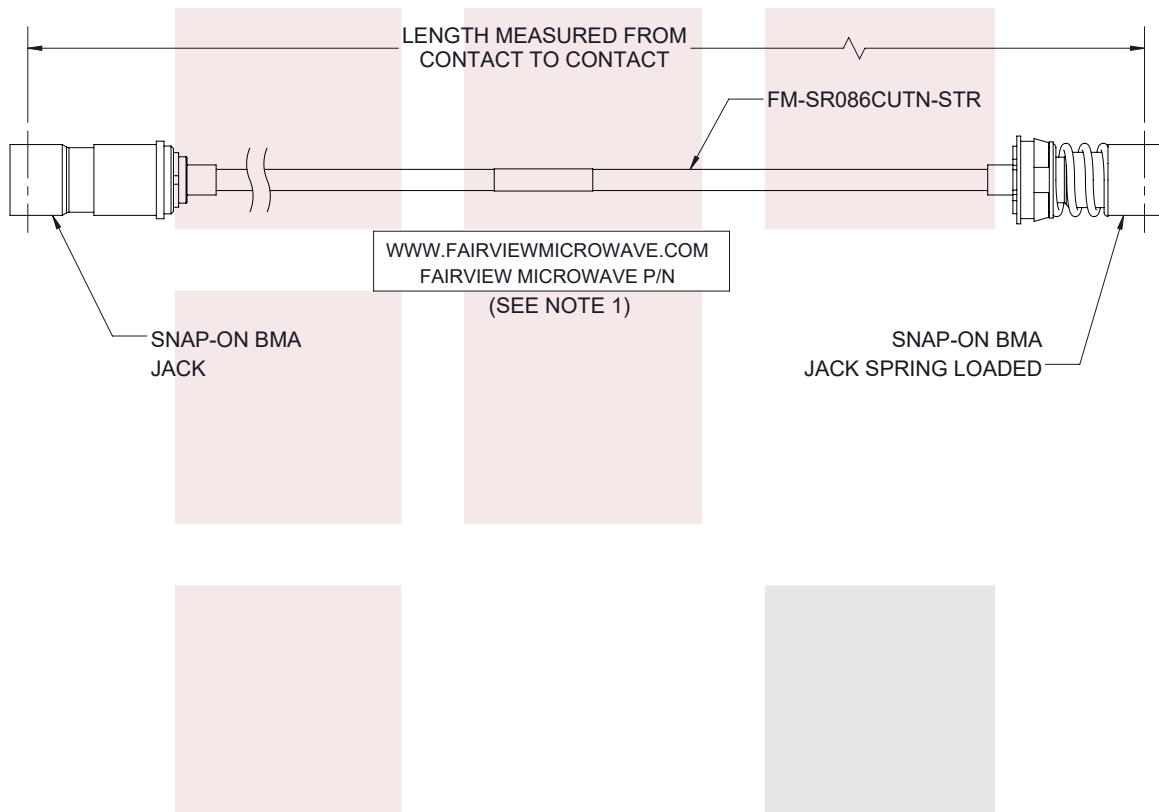
Click the following link to obtain additional part information: [Snap-On BMA Jack to Snap-On BMA Jack Cable Tinned Copper RG405 Type .086 Coax FMCA3089](https://www.fairviewmicrowave.com/snap-on-bma-jack-to-snap-on-bma-jack-cable-tinned-copper-rg405-type-.086-coax-fmca3089-p.aspx)

URL: <https://www.fairviewmicrowave.com/snap-on-bma-jack-to-snap-on-bma-jack-cable-tinned-copper-rg405-type-.086-coax-fmca3089-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	07/20/22	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.

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Fairview Microwave an INFINITE® brand		UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		THIRD-ANGLE PROJECTION	
TITLE		TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
Snap-On BMA Jack to Snap-On BMA Jack Cable Tinned Copper RG405 Type .086 Coax		$.X = \pm .2$ [.508] FRACTIONS $L \leq 12$ [305] = ± 1 [25] / -0 $.XX = \pm .02$ [.51] $\pm 1/32$ 12 [305] < $L \leq 60$ [1524] = ± 2 [51] / -0 $.XXX = \pm .005$ [.13] ANGLES $\pm 1^\circ$ 60 [1524] < $L \leq 120$ [3048] = ± 4 [102] / -0 120 [3048] < $L \leq 300$ [7620] = ± 6 [152] / -0 300 [7620] < $L = \pm 5\%L$ / -0		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		SCALE		SHEET 1 OF 1	
SIZE A		CAGE CODE 3FKR5		DRAWN BY VTHANGARAJ	
ITEM NO. FMCA3089		REV A		N/A	

T-Rev.D