

# FMCA3020-36 **DATA SHEET**

# Snap-On BMA Jack to Snap-On BMA Jack Cable Tinned Aluminum RG405 Type .086 Coax in 36 Inch

The BMA jack snap-on to BMA jack snap-on 36 inch cable using Tinned Aluminum RG405 type .086 coax, part number FMCA3020-36, 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-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 FMCA3020-36 BMA jack to BMA jack cable assembly operates to 22 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.

# **Configuration:**

- Snap-OnBMA Jack
- Snap-OnBMA Jack
- FM-SR086ALTN-STR

## Features:

- Max Frequency 22 GHz
- 1000 Mating Cycles

# **Applications:**

- General Purpose
- Laboratory Use

# **Electrical Specifications**

Description	Min	Т	ур	Max	Units
Frequency Range	DC			22	GHz
VSWR				1.5:1	
Dielectric Withstanding \	/oltage (AC)			1,000	Vrms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	22	GHz
Insertion Loss (Typ.)	0.89	1.09	1.57	2.44	4.43	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 0.1 dB per connector.

#### **Mechanical Specifications**

#### **Cable Assembly**

Length\* 36 in [914.4 mm] Weight 0.038 lbs [17.24 g]

Cable

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

One Time Minimum Bend Radius

FM-SR086ALTN-STR 50 Ohms Solid Copper Clad Steel, Silver PTFE

Tinned Aluminum

0.05 in [1.27 mm]

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#### **Connectors**

Description	Connector 1	Connector 2		
Туре	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		

# **Environmental Specifications**

Temperature

Operating Range

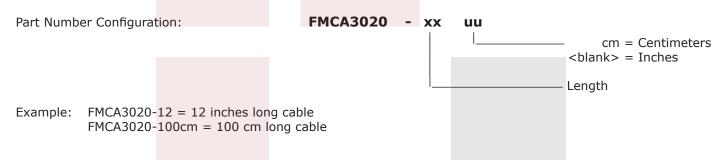
-40 to +105 deg C

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

#### **Plotted and Other Data**

Notes:

## **How to Order**



Snap-On BMA Jack to Snap-On BMA Jack Cable Tinned Aluminum RG405 Type .086 Coax in 36 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: Snap-On BMA Jack to Snap-On BMA Jack Cable Tinned Aluminum RG405 Type .086 Coax in 36 Inch FMCA3020-36

URL: https://www.fairviewmicrowave.com/snap-on-bma-jack-to-snap-on-bma-jack-cable-tinned-aluminum-rg405-type-.086-coax-in-36-inch-fmca3020-36-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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