

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

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

### **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.)	0.23	0.294	0.455	0.745	1.41	dB/ft
	0.75	0.96	1.49	2.44	4.63	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	0.022 lbs [9.98 g]
<b>Cable</b> Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Outer Conductor Material and Plating	FM-SR086ALTN-STR 50 Ohms Solid Copper Clad Steel, Silver PTFE 1 Tinned Aluminum
One Time Minimum Bend Radius	0.05 in [1.27 mm]



**FMCA3020** 

### **Configuration:**

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

### **Features:**

- Max Frequency 22 GHz
- 1000 Mating Cycles

### **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 sales@fairviewmicrowave.com Fairview Microwave

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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 & Platin	g 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 lenghts 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:

# FMCA3020 - xx uu |\_\_\_\_\_\_ cm = Centimeters <blank> = Inches

Length

Example: FMCA3020-12 = 12 inches long cable FMCA3020-100 cm long cable

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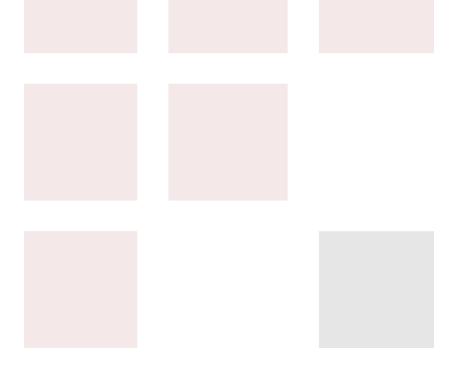


Snap-On BMA Jack to Snap-On BMA Jack Cable Tinned Aluminum RG405 Type .086 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: Snap-On BMA Jack to Snap-On BMA Jack Cable Tinned Aluminum RG405 Type .086 Coax FMCA3020

URL: https://www.fairviewmicrowave.com/snap-on-bma-jack-to-snap-on-bma-jack-cable-tinned-aluminum-rg405type-.086-coax-fmca3020-p.aspx

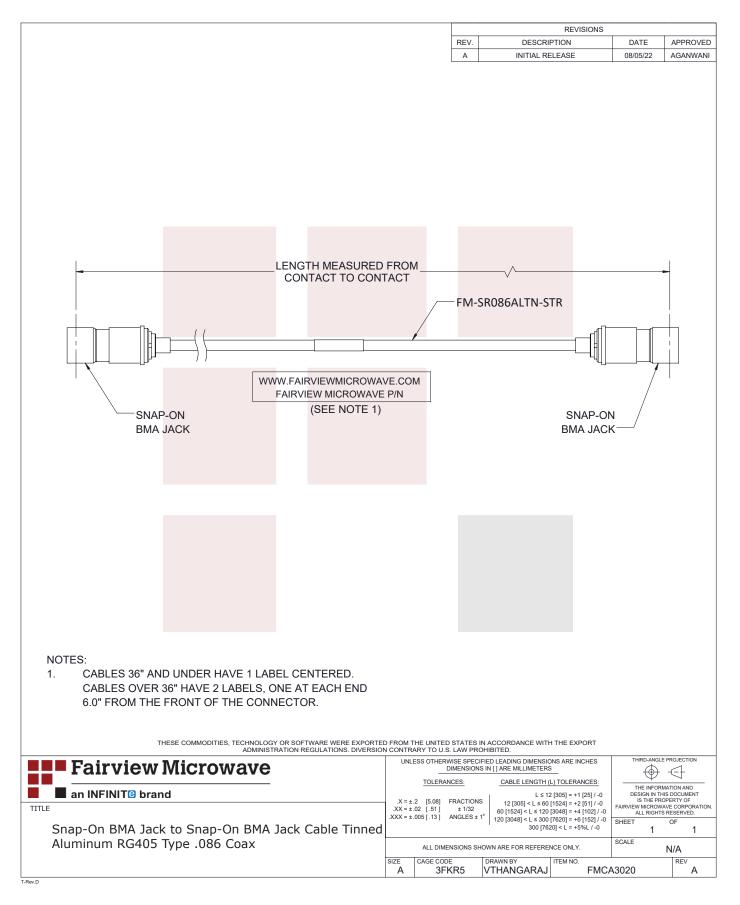
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to 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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