

Slide-On BMA Plug Bulkhead to Snap-On BMA Jack Cable Tinned Aluminum RG405 Type .086 Coax in 100 CM

The BMA plug slide-on bulkhead to BMA jack snap-on 100 cm cable using Tinned Aluminum RG405 type .086 coax, part number FMCA3022-100CM, from Fairview Microwave is in-stock and ships same day. This Fairview BMA to BMA cable assembly has a plug 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 FMCA3022-100CM BMA plug to BMA jack cable assembly operates to 22 GHz. Our RF cable assembly with BMA bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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		22	GHz
VSWR			1.5:1	
Dielectric Withstanding Voltage (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.)	0.96	1.28	1.7	2.65	4.83	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*	39.37 in [100 cm]
Weight	0.042 lbs [19.05 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]
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Configuration:

- Slide-OnBMA Plug Bulkhead
- Snap-OnBMA Jack
- FM-SR086ALTN-STR

Features:

- Max Frequency 22 GHz
- 1000 Mating Cycles

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	BMA Plug	BMA Jack
Mount Method	Bulkhead	
Impedance	50 Ohms	50 Ohms
Connection Method	Slide-On	Snap-On
Mating Cycles	1,000	1,000
Contact Material & Plating	Bronze, Gold	Beryllium Copper, Gold
Contact Plating Spec.	51.18µ in. minimum	51.18µ in. minimum
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Brass, Tri-Metal	Beryllium Copper, Gold
Outer Cond Plating Spec.	78.74µ in. minimum	
Body Material & Plating	Brass, Tri-Metal	Stainless Steel, Gold
Body Plating Spec.	78.74µ in. minimum	19.68µ in. minimum
Hex Size	8 mm	

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:

FMCA3022 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

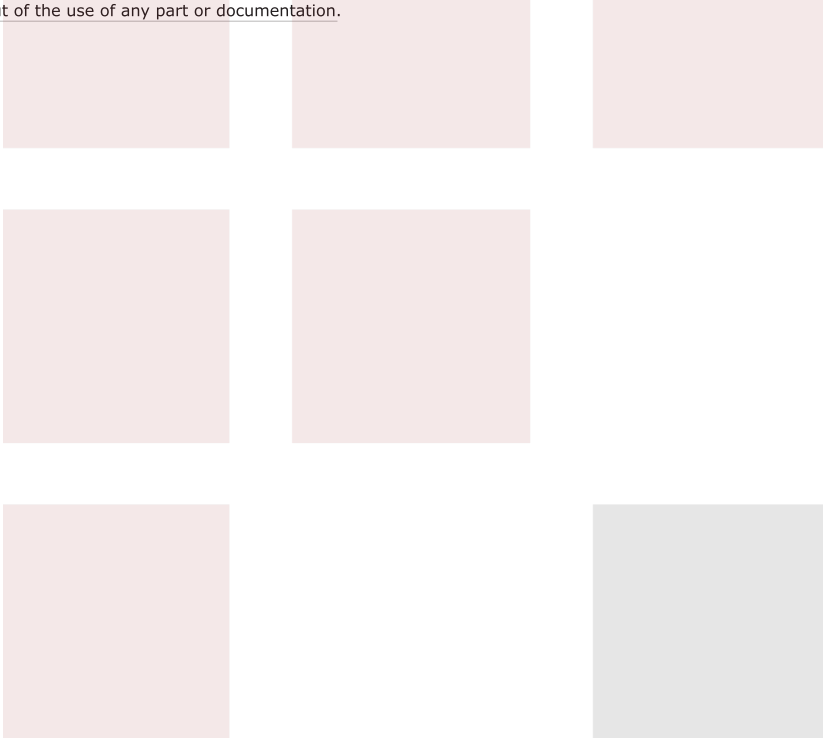
Example: FMCA3022-12 = 12 inches long cable
 FMCA3022-100cm = 100 cm long cable

Slide-On BMA Plug Bulkhead to Snap-On BMA Jack Cable Tinned Aluminum RG405 Type .086 Coax in 100 CM 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.

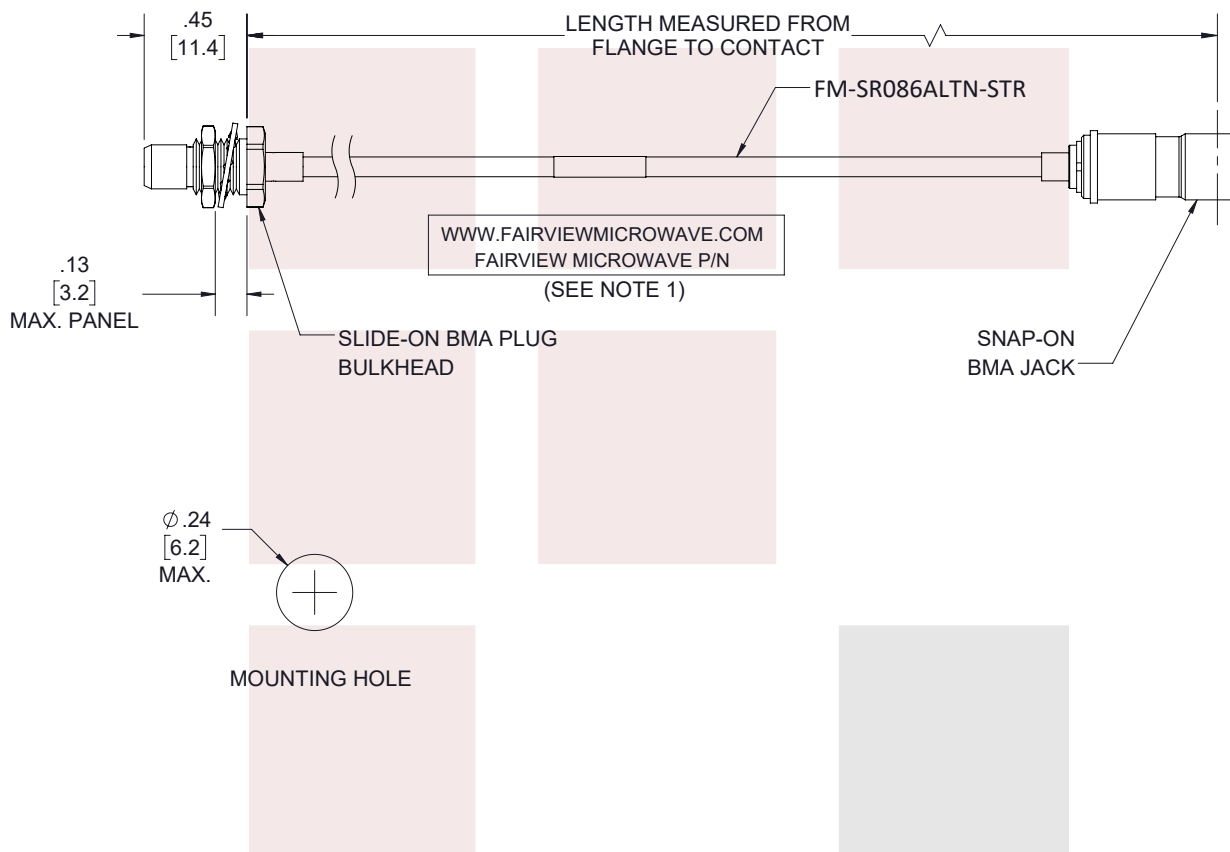
Click the following link to obtain additional part information: [Slide-On BMA Plug Bulkhead to Snap-On BMA Jack Cable Tinned Aluminum RG405 Type .086 Coax in 100 CM FMCA3022-100CM](#)

URL: <https://www.fairviewmicrowave.com/slide-on-bma-plug-bulkhead-to-snap-on-bma-jack-cable-tinned-aluminum-rg405-type-.086-coax-in-100-cm-fmca3022-100cm-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	08/05/22	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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TITLE

Slide-On BMA Plug Bulkhead to Snap-On BMA Jack
Cable Tinned Aluminum RG405 Type .086 Coax in 100
CM

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS
.XX = ±.02 [.51] ± 1/32
.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE

N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	VTHANGARAJ	FMCA3022	A

T-Rev.D