

**Snap-On BMA Jack to SMP Female Cable RG405 Type
.086 Coax in 12 Inch**

The BMA jack snap-on to SMP female 12 inch cable using RG405 type .086 coax, part number FMCA1608-12, from Fairview Microwave is in-stock and ships same day. This Fairview BMA to SMP cable assembly has a jack to female gender configuration with 50 ohm semi-rigid FM-SR086CU 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 FMCA1608-12 BMA jack to SMP female cable assembly operates to 18 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 | | 18 | GHz |
| VSWR | | | 1.5:1 | |
| Return Loss | | | 15.56 | dB |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|------|------|------|------|-------|
| Frequency | 1 | 2 | 4.5 | 9 | 18 | GHz |
| Insertion Loss (Typ.) | 0.42 | 0.48 | 0.66 | 0.94 | 1.33 | dB |

Mechanical Specifications

Cable Assembly

Length* 12 in [304.8 mm]
Diameter 0.35 in [8.89 mm]

Cable

Cable Type FM-SR086CU
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 Copper

Repeated Minimum Bend Radius 0.05 in [1.27 mm]



Configuration:

- Snap-On BMA Jack
- SMP Female
- FM-SR086CU

Features:

- Max Frequency 18 GHz

Applications:

- General Purpose
- Laboratory Use
- Rack and Panel
- BMA Cable RF Backplanes
- Phased Array Interconnects
- High Speed Switching Networks
- Blind Mate BMA Test

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Connectors

| Description | Connector 1 | Connector 2 |
|-------------------------------|------------------------|------------------------|
| Type | BMA Jack | SMP Female |
| Specification | | MIL-STD-348 |
| Impedance | 50 Ohms | 50 Ohms |
| Connection Method | Snap-On | |
| Contact Material & Plating | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Contact Plating Spec. | 51.18µ in. minimum | MIL-G-45204 |
| Dielectric Type | PTFE | PTFE |
| Outer Cond Material & Plating | Beryllium Copper, Gold | |
| Body Material & Plating | Stainless Steel, Gold | Beryllium Copper, Gold |
| Body Plating Spec. | 19.68µ in. minimum | MIL-G-45204 |

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Environmental Specifications

Temperature

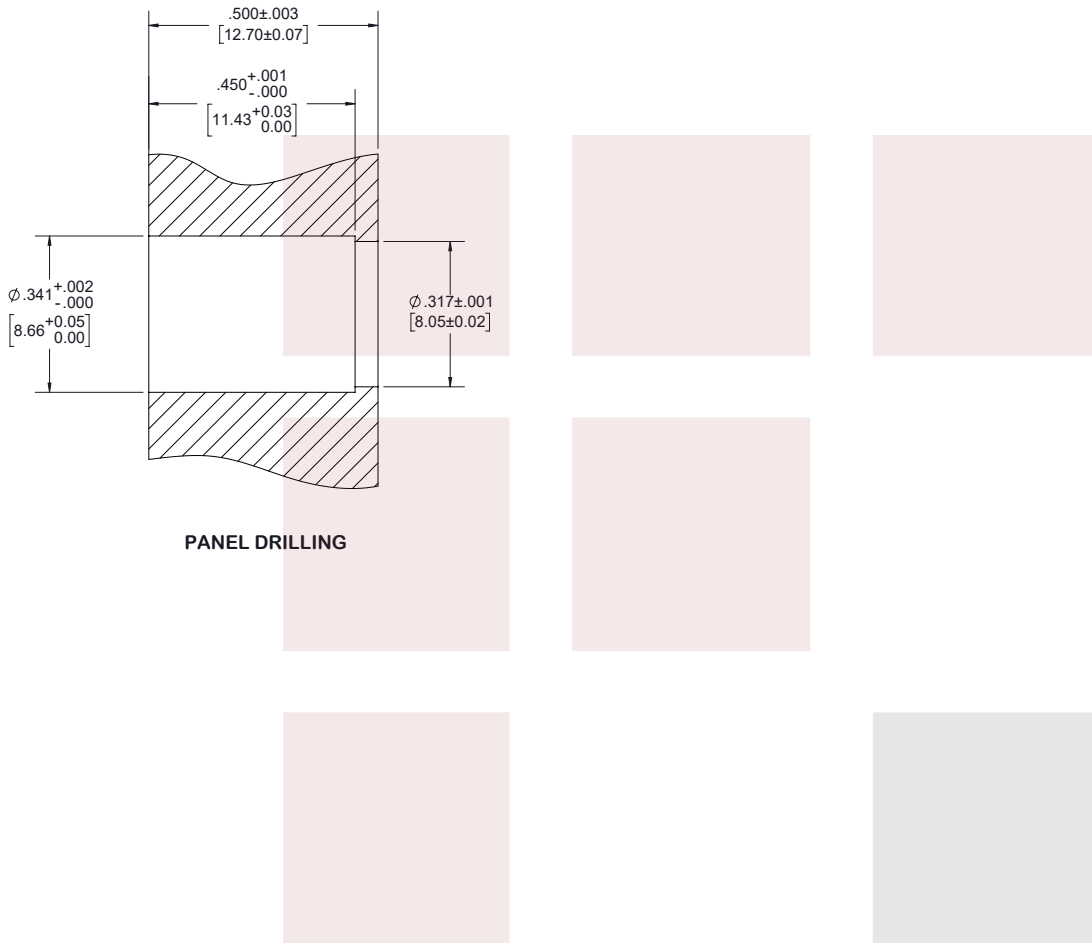
Operating Range -40 to +105 deg C

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

Plotted and Other Data

Notes:

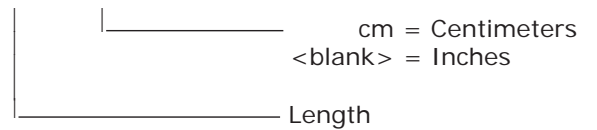
Typical Performance Data



How to Order

Part Number Configuration:

FMCA1608 - xx uu



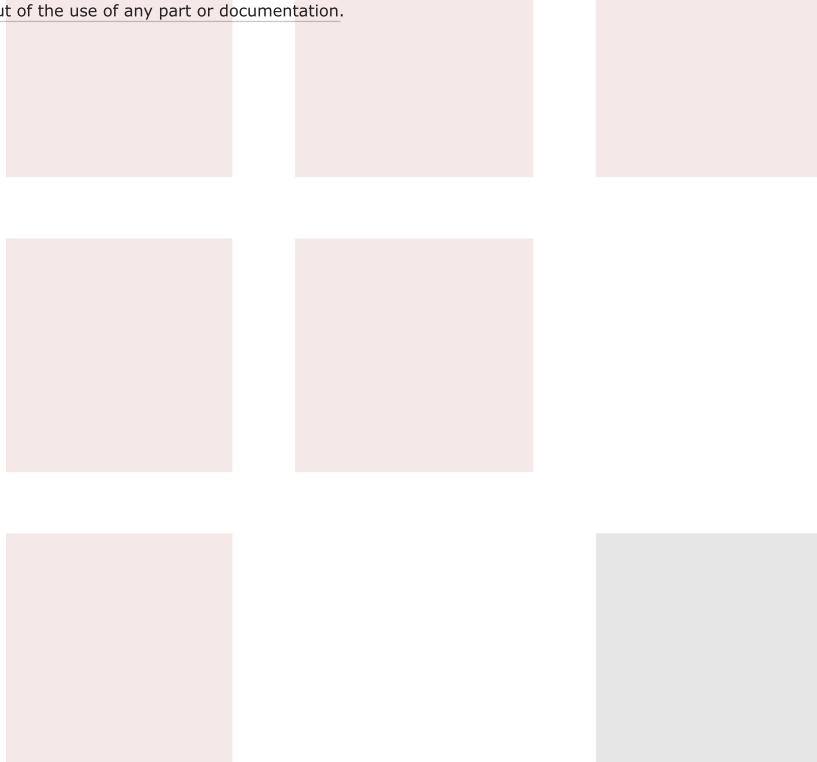
Example: FMCA1608-12 = 12 inches long cable
 FMCA1608-100cm = 100 cm long cable

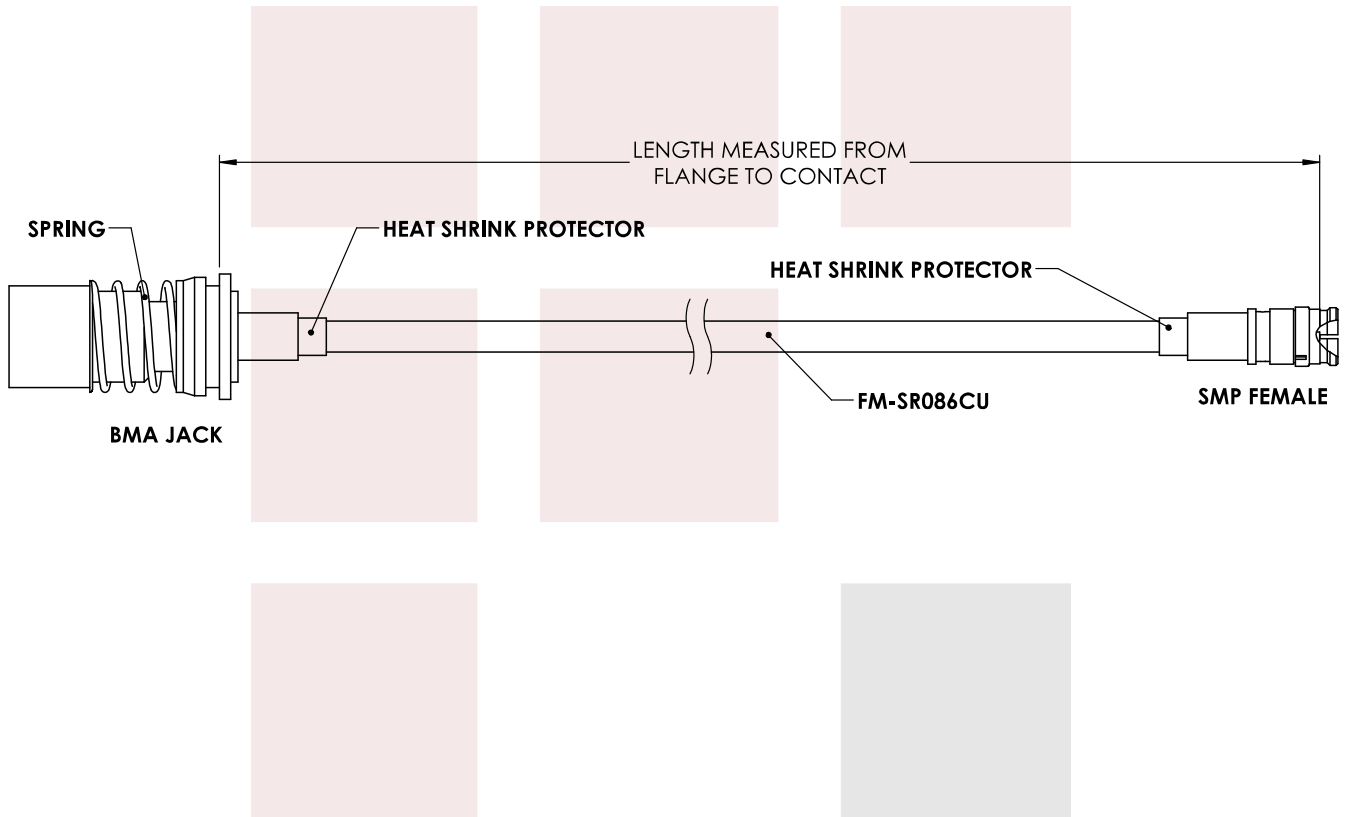
Snap-On BMA Jack to SMP Female Cable RG405 Type .086 Coax in 12 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Snap-On BMA Jack to SMP Female Cable RG405 Type .086 Coax in 12 Inch FMCA1608-12](#)

URL: <https://www.fairviewmicrowave.com/bma-jack-smp-female-cable-rg405-type-.086-coax-fmca1608-12-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.





| STANDARD TOLERANCES | |
|---------------------|--------|
| .X | ±0.2 |
| .XX | ±0.01 |
| .XXX | ±0.005 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

| | | | | | |
|--|--------------------|---|-----------|--------|--------|
| FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM | | NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm]. | | | |
| TITLE Snap-On BMA Jack to SMP Female Cable RG405 Type .086 Coax in 12 Inch | DWG NO FMCA1608 | CAGE CODE 3FKR5 | | | |
| | CAD FILE 12/20/17 | SHEET | SCALE N/A | SIZE A | CN2245 |