

## RA SMA Male to SMA Female Bulkhead Cable Tinned Aluminum RG401 Type .250 Coax in 24 Inch

The RA SMA male to SMA female bulkhead 24 inch cable using Tinned Aluminum RG401 type .250 coax, part number FMCA3136-24, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a male to female gender configuration with 50 ohm semi-rigid FM-SR250ALTN-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 right angle SMA interface on the FM-SR250ALTN-STR cable allows for easier connections in tight spaces. Our RF cable assembly with SMA 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        |
|--------------------------------------|-----|--------------|-------|--------------|
| Velocity of Propagation              |     | 69.5         |       | %            |
| Capacitance                          |     | 29.6 [97.11] |       | pF/ft [pF/m] |
| Dielectric Withstanding Voltage (AC) |     |              | 7,500 | Vrms         |

### Mechanical Specifications

#### Cable Assembly

|         |                    |
|---------|--------------------|
| Length* | 24 in [609.6 mm]   |
| Weight  | 0.153 lbs [69.4 g] |

#### Cable

|                                      |                   |
|--------------------------------------|-------------------|
| Cable Type                           | FM-SR250ALTN-STR  |
| Impedance                            | 50 Ohms           |
| Inner Conductor Type                 | Solid             |
| Inner Conductor Material and Plating | Copper, Silver    |
| Dielectric Type                      | PTFE              |
| Number of Shields                    | 1                 |
| Shield Layer 1                       | Tinned Aluminum   |
| Jacket Diameter                      | 0.25 in [6.35 mm] |

|                              |                   |
|------------------------------|-------------------|
| One Time Minimum Bend Radius | 0.25 in [6.35 mm] |
|------------------------------|-------------------|



### Configuration:

- SMA Male Right Angle
- SMA Female Bulkhead
- FM-SR250ALTN-STR

### Features:

- 69.5% Phase Velocity

### Applications:

- General Purpose
- Laboratory Use

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**Connectors**

| Description                     | Connector 1      | Connector 2 |
|---------------------------------|------------------|-------------|
| Type                            | SMA Male         | SMA Female  |
| Mount Method                    |                  | Bulkhead    |
| Impedance                       | 50 Ohms          | 50 Ohms     |
| Contact Material & Plating      | Brass, Gold      | Gold        |
| Dielectric Type                 | Teflon           | Teflon      |
| Body Material & Plating         | Brass, Gold      | Brass, Gold |
| Coupling Nut Material & Plating | Brass, Gold      |             |
| Hex Size                        | 5/16 in          |             |
| Torque                          | 5 in-lbs 0.57 Nm |             |

Mechanical Specification Notes:  
Cable assemblies that are 60 inches or less use straight coax, greater than 60 inches use coiled coax

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

**Plotted and Other Data**

- Notes:
- Values at 25°C, sea level.

**How to Order**

Part Number Configuration:

**FMCA3136 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

Example: FMCA3136-12 = 12 inches long cable  
FMCA3136-100cm = 100 cm long cable

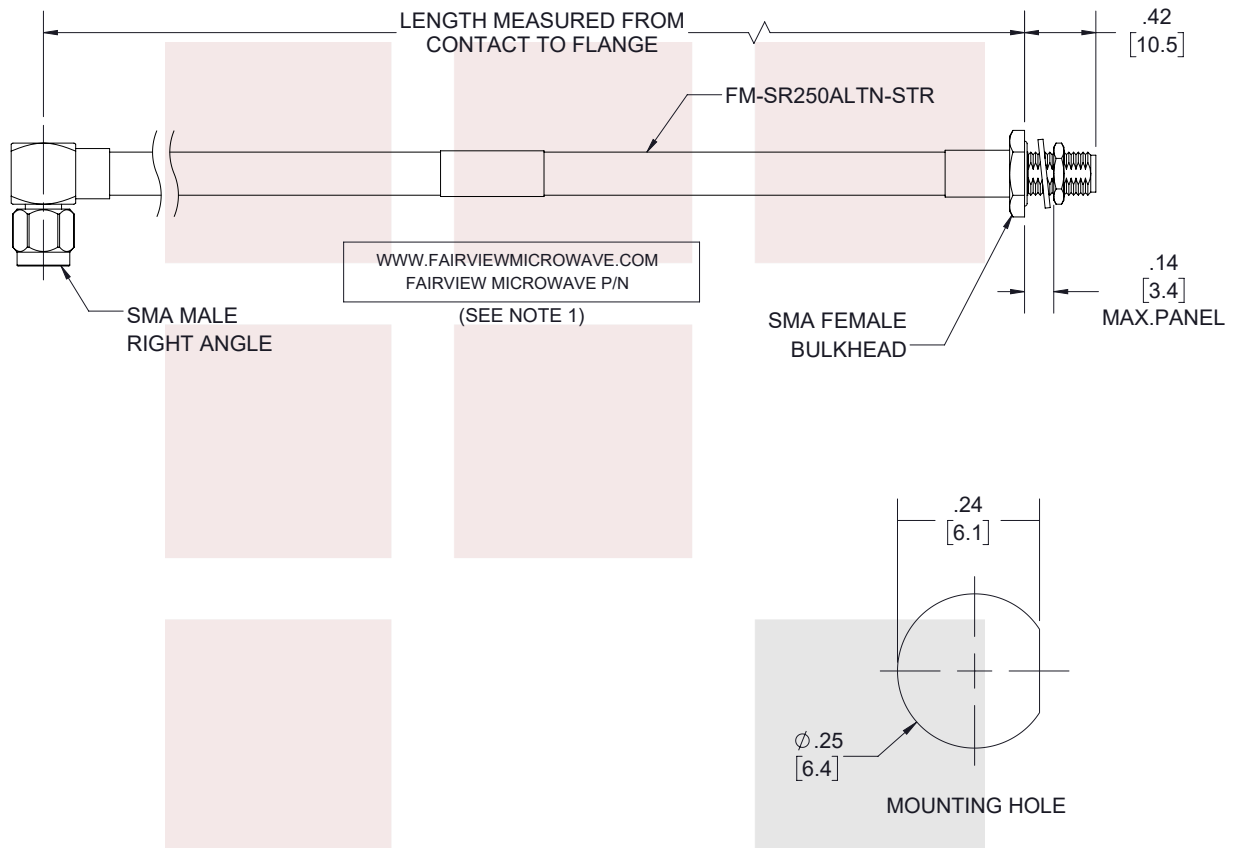
RA SMA Male to SMA Female Bulkhead Cable Tinned Aluminum RG401 Type .250 Coax in 24 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RA SMA Male to SMA Female Bulkhead Cable Tinned Aluminum RG401 Type .250 Coax in 24 Inch FMCA3136-24](#)

URL: <https://www.fairviewmicrowave.com/ra-sma-male-to-sma-female-bulkhead-cable-rg401-type-.250-coax-fmca3136-24-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 | 06/29/22 | 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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|   |  |   |  |                                      |
|---|--|---|--|--------------------------------------|
| <p><b>Fairview Microwave</b><br/>an INFINIT<sup>®</sup> brand</p>   | <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES<br/>DIMENSIONS IN [ ] ARE MILLIMETERS</p>  |   | <p>THIRD-ANGLE PROJECTION</p>  |                                      |
|   | <p>TOLERANCES:      CABLE LENGTH (L) TOLERANCES:</p> <p>.X = ±.2 [5.08]    FRACTIONS      L ≤ 12 [305] = +1 [25] / -0<br/>         .XX = ±.02 [.51]    ± 1/32      12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0<br/>         .XXX = ±.005 [.13]    ANGLES ± 1°    60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0<br/>         120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0<br/>         300 [7620] &lt; L = +5%L / -0</p> |   | <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p> |                                      |
| <p>TITLE</p> <p><b>RA SMA Male to SMA Female Bulkhead Cable Tinned Aluminum RG401 Type .250 Coax in 24 Inch</b></p> |  | <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> |  | <p>SHEET 1 OF 1</p> <p>SCALE N/A</p> |
| <p>SIZE A</p>   | <p>CAGE CODE 3FKR5</p>   | <p>DRAWN BY VTHANGARAJ</p>                          | <p>ITEM NO. FMCA3136</p>   | <p>REV A</p>                         |

T-Rev.D