

## SMA Male to SMA Female Bulkhead Cable RG402 Type .141 Coax

The SMA male to SMA female bulkhead cable using RG402 type .141 coax, part number FMCA2361, 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-SR141CU 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 FMCA2361 SMA male to SMA female cable assembly operates to 18 GHz. 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
Frequency Range	DC		18	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.12	0.16	0.25	0.41	0.65	dB/ft
	0.39	0.52	0.82	1.35	2.13	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1dB per connector loss.

### Mechanical Specifications

#### Cable Assembly

Diameter 0.433 in [11 mm]

#### Cable

Cable Type FM-SR141CU  
 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 0.25 in [6.35 mm]



### Configuration:

- SMA Male
- SMA Female Bulkhead
- FM-SR141CU

### Features:

- Max Frequency 18 GHz
- 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	Beryllium Copper, Gold over Nickel	
Dielectric Type	PTFE	
Body Material & Plating	Brass, Gold over Nickel	Brass, Gold over Nickel
Coupling Nut Material & Plating	Passivated Stainless Steel	
Hex Size	5/16 inch	
Torque	8 in-lbs 0.9 Nm	

**Environmental Specifications**  
**Temperature**

Operating Range -55 to +125 deg C

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration:

**FMCA2361 - xx uu**

 cm = Centimeters  
 <blank> = Inches

Length

 Example: FMCA2361-12 = 12 inches long cable  
 FMCA2361-100cm = 100 cm long cable

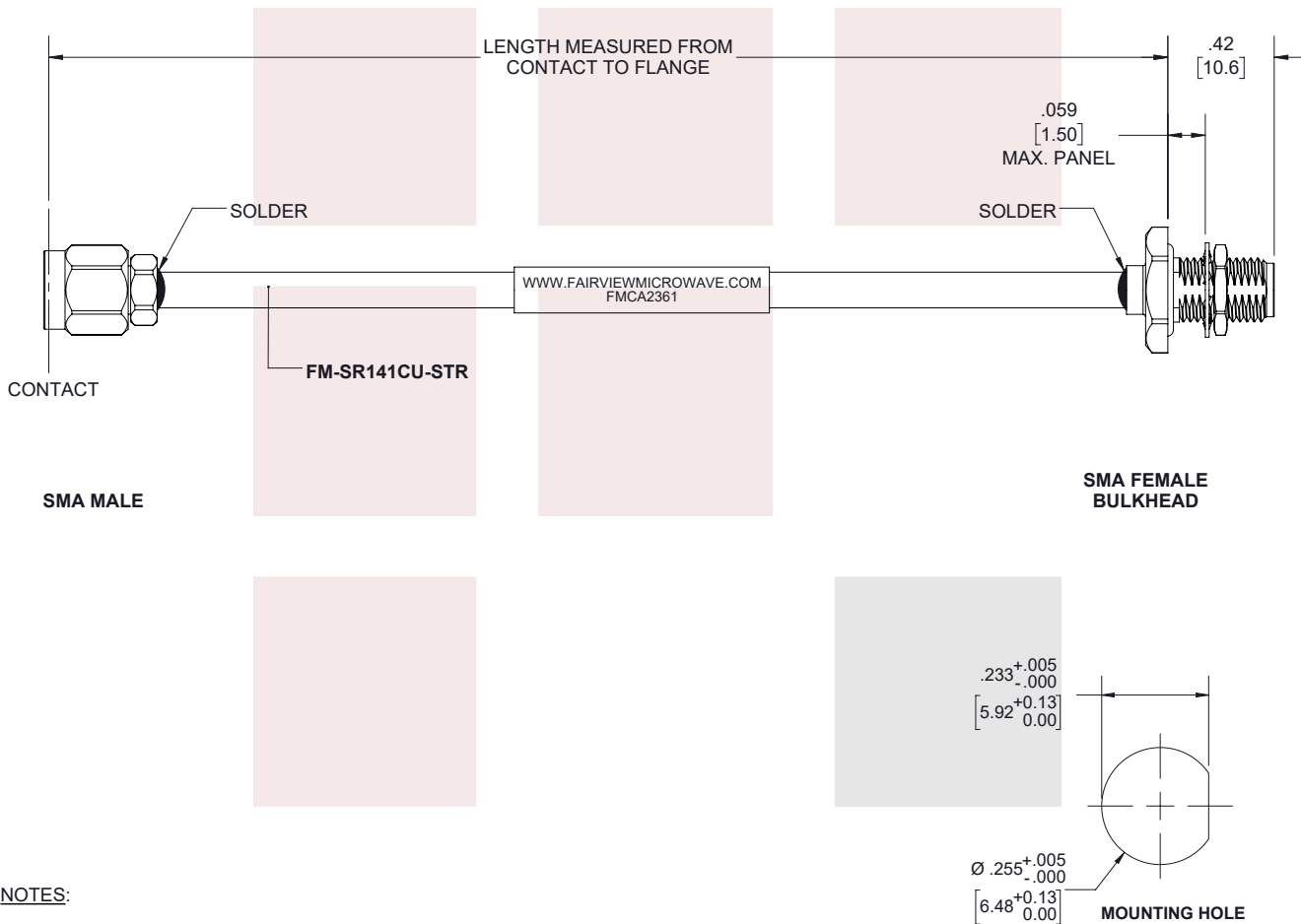
SMA Male to SMA Female Bulkhead Cable RG402 Type .141 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [SMA Male to SMA Female Bulkhead Cable RG402 Type .141 Coax FMCA2361](#)

URL: <https://www.fairviewmicrowave.com/sma-male-sma-female-cable-rg402-type-.141-coax-fmca2361-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	4/15/2021	S.ELLIS



**NOTES:**

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED. CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END 6.0" FROM THE END OF THE CONNECTOR.

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<p><b>Fairview Microwave</b> an INFINIT<sup>®</sup> brand</p>	UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		THIRD-ANGLE PROJECTION 	
	TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
TITLE	.X = ±.2 [ .51]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0	THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A
SMA Male to SMA Female Bulkhead Cable RG402 Type .141 Coax	.XX = ±.02 [ .51]	ANGLES ± 1°	12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			SCALE N/A	
SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. FMCA2361	REV A

T-Rev.D