

SMA Male to SMA Female Bulkhead Cable RG402 Type .141 Coax in 48 Inch

The SMA male to SMA female bulkhead 48 inch cable using RG402 type .141 coax, part number FMCA2361-48, 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 FMCA2361-48 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.)	0.68	0.83	1.2	1.86	2.8	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 0.1dB per connector loss.

Mechanical Specifications

Cable Assembly

Length* 48 in [121.92 cm]
 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



Configuration:

- SMA Male
- SMA Female Bulkhead
- FM-SR141CU

Features:

- Max Frequency 18 GHz
- 69.5% Phase Velocity

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

Repeated Minimum Bend Radius 0.25 in [6.35 mm]

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

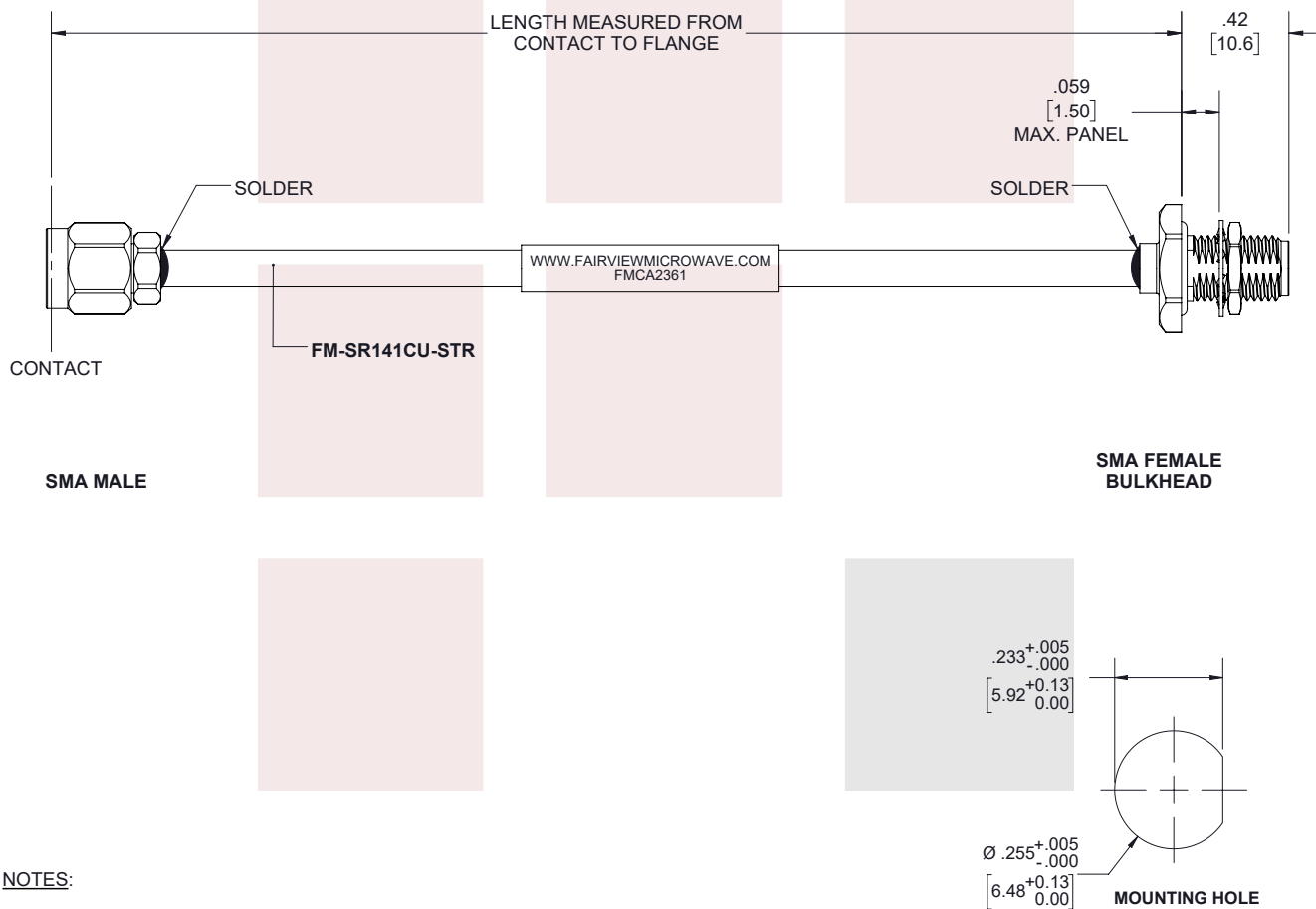
SMA Male to SMA Female Bulkhead Cable RG402 Type .141 Coax in 48 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [SMA Male to SMA Female Bulkhead Cable RG402 Type .141 Coax in 48 Inch FMCA2361-48](#)

URL: <https://www.fairviewmicrowave.com/sma-male-sma-female-cable-rg402-type-.141-coax-fmca2361-48-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:

- 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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SMA Male to SMA Female Bulkhead Cable RG402 Type .141 Coax in 48 Inch		CABLE LENGTH (L) TOLERANCES:		SHEET 1 OF 1	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		SCALE N/A		REV A	
SIZE	CAGE CODE	DRAWN BY	ITEM NO.		
A	3FKR5	K.DANG	FMCA2361		

T-Rev.D