

Push-On 4.3-10 Male to 4.3-10 Female 4 Hole Flange Cable Tinned Aluminum RG402 Type .141 Coax

The 4.3-10 male push-on to 4.3-10 female 4 hole flange cable using Tinned Aluminum RG402 type .141 coax, part number FMCA2847, from Fairview Microwave is in-stock and ships same day. This Fairview 4.3-10 to 4.3-10 cable assembly has a male to female gender configuration with 50 ohm semi-rigid FM-SR141ALTN-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 FMCA2847 4.3-10 male to 4.3-10 female cable assembly operates to 6 GHz. Our RF cable assembly with 4.3-10 4 hole flange 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		6	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	6			GHz
Insertion Loss (Typ.)	0.13	0.185	0.313			dB/ft
	0.43	0.61	1.03			dB/m

Electrical Specification Notes:

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

Mechanical Specifications

Cable Assembly

Weight 0.163 lbs [73.94 g]

Cable

Cable Type FM-SR141ALTN-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



Configuration:

- Push-On 4.3-10 Male
- 4.3-10 Female 4 Hole Flange
- FM-SR141ALTN-STR

Features:

- Max Frequency 6 GHz
- 69.5% Phase Velocity
- 100 Mating Cycles

Applications:

- General Purpose
- Laboratory Use

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Repeated Minimum Bend Radius 0.15 in [3.81 mm]

Connectors

Description	Connector 1	Connector 2
Type	4.3-10 Male	4.3-10 Female
Mount Method		4 Hole Flange
Impedance	50 Ohms	50 Ohms
Connection Method	Push-On	
Mating Cycles	100	100
Contact Material & Plating	Brass, Silver	Brass, Silver
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating		Brass, Tri-Metal
Body Material & Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Material & Plating	Brass, Tri-Metal	

Mechanical Specification Notes:

Maximum length using the straight semi rigid coax is 5ft. For lengths greater than 5ft, please contact us

Environmental Specifications

Temperature

Operating Range -55 to +90 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA2847 - xx uu

cm = Centimeters
 <blank> = Inches

Length

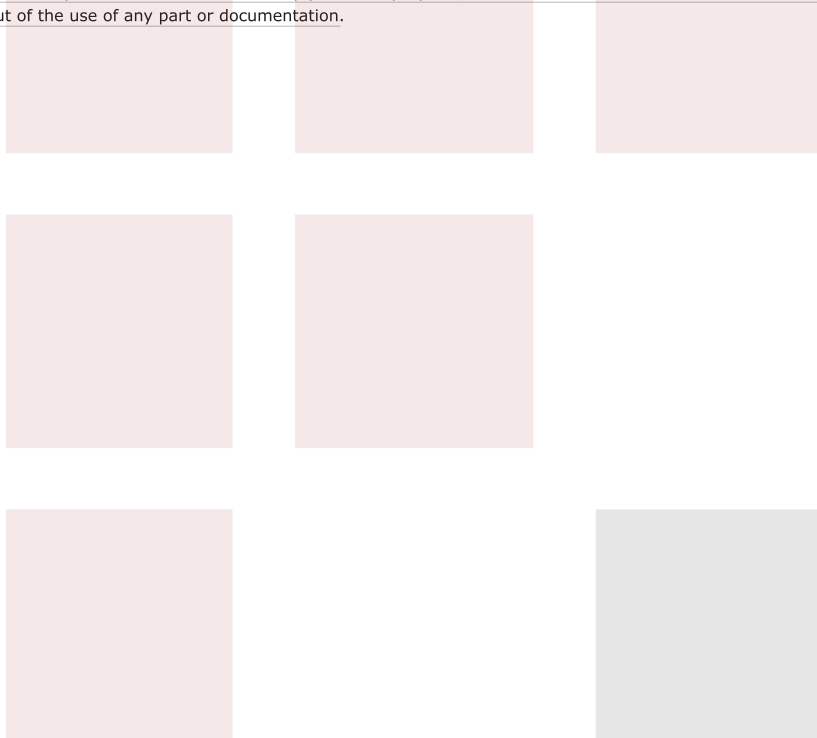
Example: FMCA2847-12 = 12 inches long cable
 FMCA2847-100cm = 100 cm long cable

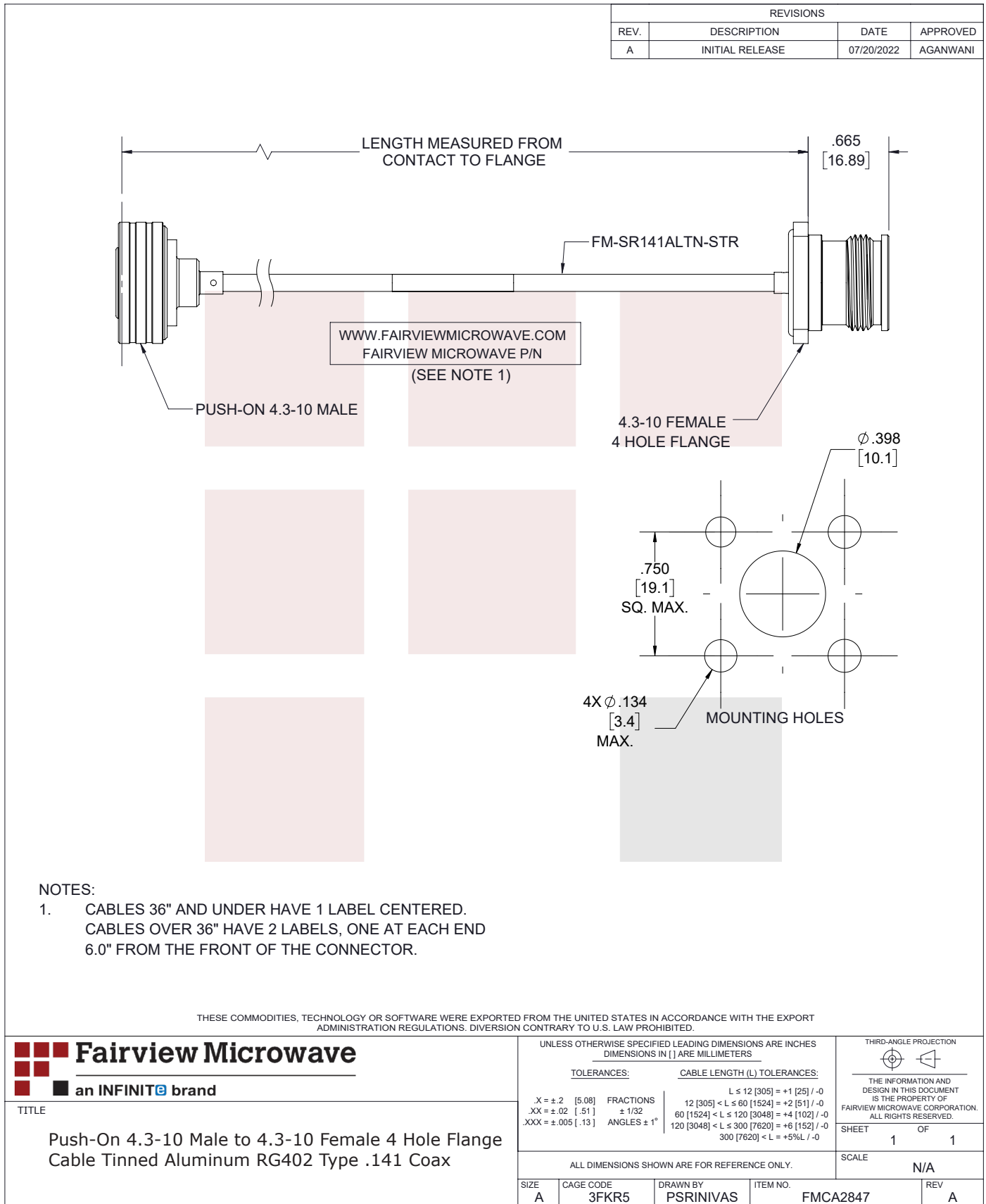
Push-On 4.3-10 Male to 4.3-10 Female 4 Hole Flange Cable Tinned Aluminum RG402 Type .141 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Push-On 4.3-10 Male to 4.3-10 Female 4 Hole Flange Cable Tinned Aluminum RG402 Type .141 Coax FMCA2847](https://www.fairviewmicrowave.com/push-on-4.3-10-male-to-4.3-10-female-4-hole-flange-cable-tinned-aluminum-rg402-type-.141-coax-fmca2847-p.aspx)

URL: <https://www.fairviewmicrowave.com/push-on-4.3-10-male-to-4.3-10-female-4-hole-flange-cable-tinned-aluminum-rg402-type-.141-coax-fmca2847-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.





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