

# 4.3-10 Male Right Angle to 4.3-10 Female Bulkhead Low PIM Cable 100 CM Length Using TFT-402-LF Coax Using Times Microwave Components

#### FMCA2340-100CM

#### Configuration

Connector 1: 4.3-10 Male Right Angle
Connector 2: 4.3-10 Female Bulkhead

Cable Type: TFT-402-LFCoax Flex Type: Flexible

#### **Features**

- Max Frequency 5.8 GHz
- · Low PIM: -160 dBc Max
- Shielding Effectivity > 80 dB
- · 76% Phase Velocity
- · Double Shielded
- FEP Jacket
- · 500 Mating Cycles

#### **Applications**

- General Purpose
- · Laboratory Use

- Low PIM Applications
- Indoor and Outdoor Use
- · Plenum Rated Applications

#### **Description**

The RA 4.3-10 male to 4.3-10 female bulkhead 100 cm cable using TFT-402-LF coax, part number FMCA2340-100CM, 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 flexible TFT-402-LF coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. Our low PIM design offers excellent passive intermodulation performance with PIM levels better than -160 dBc. The FMCA2340-100CM 4.3-10 male to 4.3-10 female cable assembly operates to 5.8 GHz. The right angle 4.3-10 interface on the TFT-402-LF cable allows for easier connections in tight spaces. Our RF cable assembly with 4.3-10 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. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness of better than 80 dB.

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	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	80			dB
Passive Intermodulation			-160	dBc
IM3 (2x43dBm Tones) at 850 MHz or 1900 MHz				



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## **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Capacitance		26.7 [87.6]		pF/ft [pF/m]

#### **Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.33	0.41	0.57	0.98	1.47	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 0.1\*SQRT(FGHz) dB per connector.

#### **Mechanical Specifications**

#### Cable Assembly

Width/Diameter 0.867 in [22.02 mm]

Cable

TFT-402-LF Cable Type Impedance 50 Ohms Inner Conductor Type Solid Inner Conductor Material and Plating Copper Dielectric Type **PTFE** 

Number of Shields Jacket Material

FEP, Blue Jacket Diameter 0.16 in [4.06 mm]

One Time Minimum Bend Radius 0.75 in [19.05 mm]



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#### **Connectors**

Description	Connector 1	Connector 2
Туре	4.3-10 Male Right Angle	4.3-10 Female Bulkhead
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Mating Cycles	500	500
Contact Material and Plating	Brass, Silver	Bronze, Silver
Contact Plating Specification	200 μin	200 μin
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		Brass, Tri-Metal
Outer Conductor Plating Specification		80 μin
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	80 μin	80 μin
Coupling Nut Material and Plating	Brass, Tri-Metal	
Coupling Nut Plating Specification	80 μin	
Torque	44 in-lbs 4.97 Nm	

## **Environmental Specifications**

Operating Range Temperature

-40 to +85 deg C

Compliance Certifications (see product page for current document)

#### **Plotted and Other Data**

Notes:



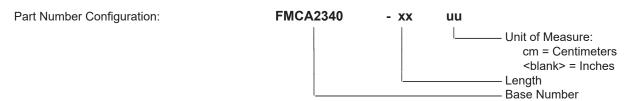
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## FMCA2340-100CM

#### **Typical Performance Data**

#### **How to Order**



Example: FMCA2340-12 = 12 inches long cable

FMCA2340-100cm = 100 cm long cable

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For additional information on this product, please click the following link: 4.3-10 Male Right Angle to 4.3-10 Female Bulkhead Low PIM Cable 100 CM Length Using TFT-402-LF Coax Using Times Microwave Components FMCA2340-100CM

URL: https://www.fairviewmicrowave.com/low-pim-ra-4.3-10-male-4.3-10-female-cable-tft-402-lf-coax-fmca2340-100cm-p.aspx

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## FMCA2340-100CM CAD Drawing

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