SMA Male to RA SMA Male Cable Tinned Copper RG402 Type .141 Coax in 150 CM

FMCA2906-150CM

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: FM-SR141CUTN-STR
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 12.4 GHz

Applications

- General Purpose
- Laboratory Use

Description

The SMA male to RA SMA male 150 cm cable using Tinned Copper RG402 type .141 coax, part number FMCA2906-150CM, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a male to male gender configuration with 50 ohm semi-rigid FM-SR141CUTN-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 FMCA2906-150CM SMA male to SMA male cable assembly operates to 12.4 GHz. The right angle SMA interface on the FM-SR141CUTN-STR cable allows for easier connections in tight spaces.

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		12.4	GHz
VSWR			1.5:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	5	12.4		GHz
Insertion Loss (Typ.)	0.9	1.17	1.61	2.81		dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Length	59.06 in [150.01 cm]
Width/Diameter	0.5 in [12.7 mm]

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Weight	0.176 lbs [79.83 g]

Cable

Cable Type	FM-SR141CUTN-STR
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Tinned Copper
One Time Minimum Bend Radius	1 in [25.4 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50 µin minimum	50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Specification	10 µin minimum	30 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin minimum
Hex Size	5/16 inch	5/16 inch
Torque	3 in-lbs 0.34 Nm	3 in-lbs 0.34 Nm

Environmental Specifications

Operating Range Temperature	-55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Typical Performance Data

How to Order

Part Number Configuration: **FMCA2906 - xx uu**

- **uu** — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- **xx** — Length
- **FMCA2906** — Base Number

Example: FMCA2906-12 = 12 inches long cable
FMCA2906-100cm = 100 cm long cable

SMA Male to RA SMA Male Cable Tinned Copper RG402 Type .141 Coax in 150 CM from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: SMA Male to RA SMA Male Cable Tinned Copper RG402 Type .141 Coax in 150 CM FMCA2906-150CM

URL: https://www.fairviewmicrowave.com/sma-male-to-ra-sma-male-cable-tinned-copper-rg402-type-.141-coax-in-150-cm-fmca2906-150cm-p.aspx

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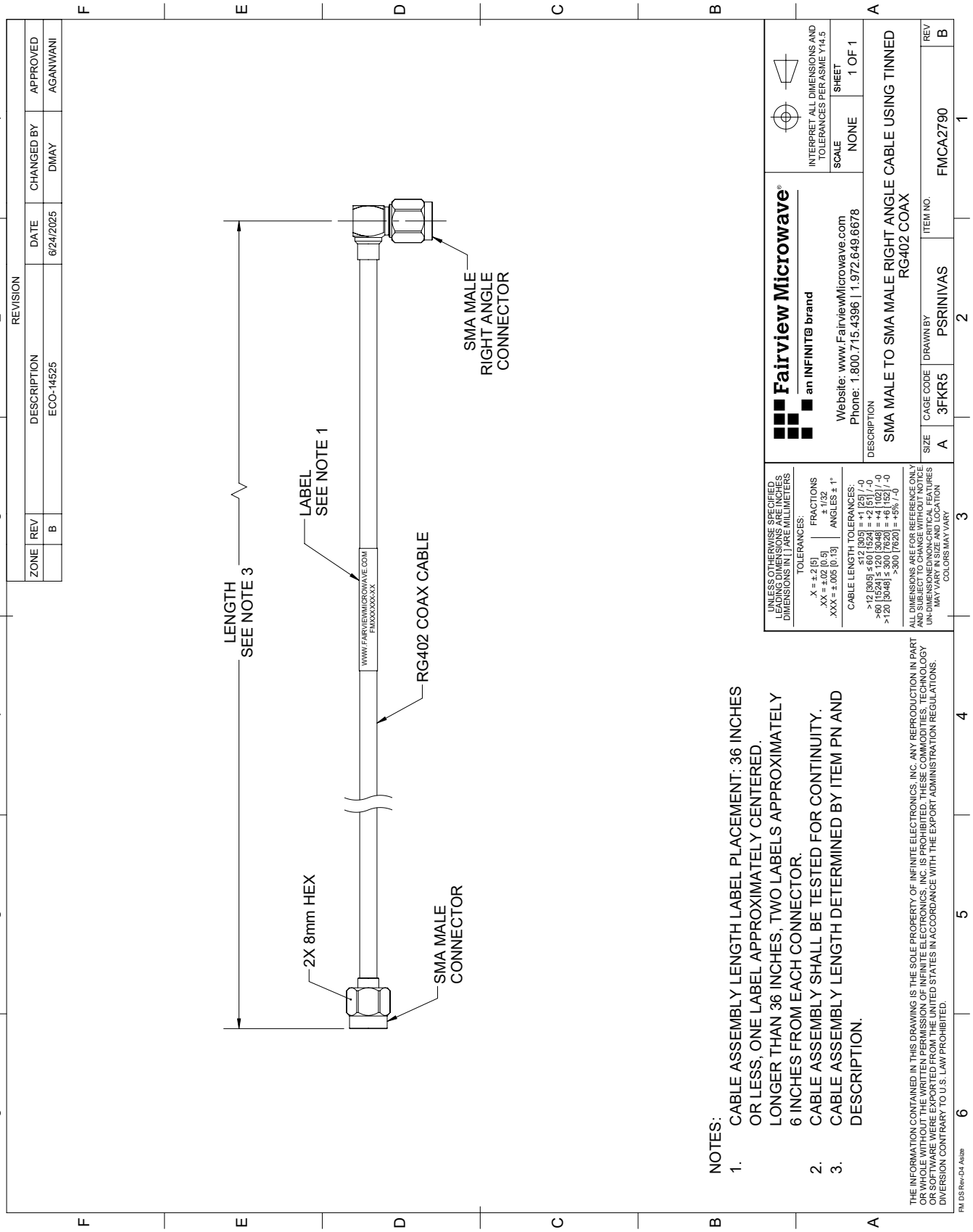
FMCA2906-150CM CAD Drawing

SMA Male to RA SMA Male Cable Tinned Copper RG402 Type .141 Coax in 150 CM



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