

SMA Male to SMA Male Cable FM-SR141TB Silver Coax with Heat Shrink

FMC01090



Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: FM-SR141TB
- Coax Flex Type: Formable

Features

- Max Frequency 20 GHz
- Shielding Effectivity > 110 dB
- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

The SMA male to SMA male cable using FM-SR141TB coax, part number FMC01090, 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 formable FM-SR141TB coax. Fairview Microwave's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. The FMC01090 SMA male to SMA male cable assembly operates to 20 GHz.

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		20	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
RF Shielding	110			dB
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		7.8 [25.59]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		5.5 [18.04]		Ohms/1000ft [Ohms/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	20	GHz
Insertion Loss (Max.)	1.12	1.1625	1.26875	1.418	1.7	dB/ft
	3.67	3.81	4.16	4.65	5.58	dB/m

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Mechanical Specifications

Cable Assembly

Weight 0.012 lbs [5.44 g]

Cable

Cable Type FM-SR141TB
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper, Silver
Dielectric Type PTFE
Number of Shields 1
Shield Layer 1 Tinned Copper Braid
Jacket Material Silver
Repeated Minimum Bend Radius 0.625 in [15.88 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Silver	Brass, Silver
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

Environmental Specifications

Operating Range Temperature -40 to +125 deg C

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

Plotted and Other Data

Notes:

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FMC01090

Typical Performance Data

How to Order

Part Number Configuration:

FMC01090

- xx

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: FMC01090-12 = 12 inches long cable
FMC01090-100cm = 100 cm long cable

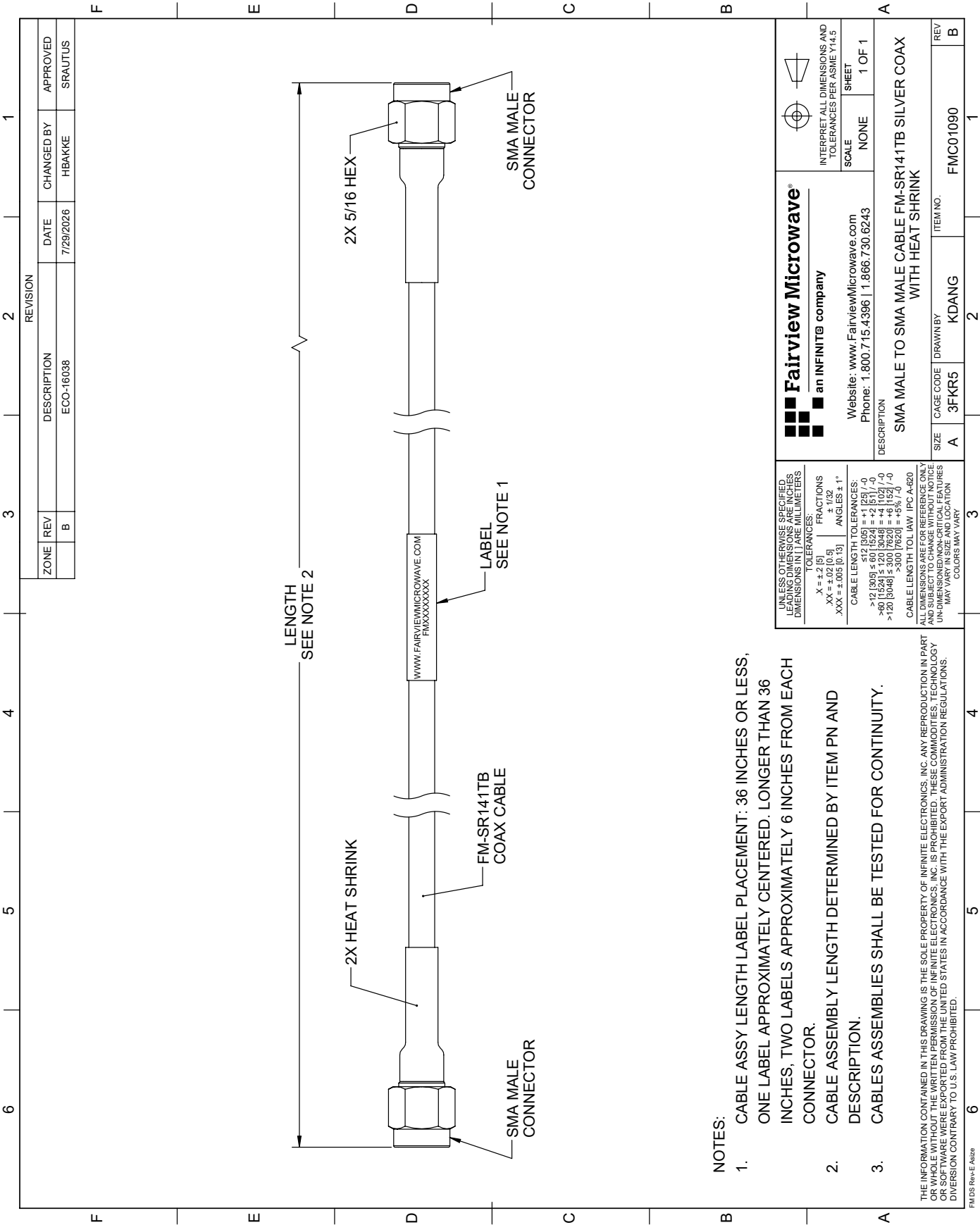
SMA Male to SMA Male Cable FM-SR141TB Silver Coax with Heat Shrink from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male to SMA Male Cable FM-SR141TB Silver Coax with Heat Shrink FMC01090](#)

URL: <https://www.fairviewmicrowave.com/sma-male-sma-male-cable-fm-sr141tb-coax-fmc01090>

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FMC01090 CAD Drawing
SMA Male to SMA Male Cable FM-SR141TB Silver Coax with Heat Shrink



- NOTES:
- 1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
 - 2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
 - 3. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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FM DS Rev-E Asize