Fairview Microwave
an INFINITE brand

FMC01052
DATA SHEET

SMA Male to SMP Female Cable RG405 Type .086 Coax

The SMA male to SMP female cable using RG405 type .086 coax, part number FMC01052, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMP cable assembly has a male to female gender configuration with 50 ohm semi-rigid FM-SR086ALTN 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 FMC01052 SMA male to SMP female cable assembly operates to 18 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	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.4:1	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.23	0.294	0.455	0.745	1.21	dB/ft
	0.75	0.96	1.49	2.44	3.97	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	0.06 lbs [27.22 g]

Cable

Cable Type	FM-SR086ALTN
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	0
Outer Conductor Material and Plating	Aluminum, Tin
One Time Minimum Bend Radius	0.07 in [1.78 mm]

Configuration:

- SMA Male
- SMP Female
- FM-SR086ALTN

Features:

- Max Frequency 18 GHz

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMP Female
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Spec.	50 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating		Beryllium Copper, Gold
Outer Cond Plating Spec.		3 µin minimum
Body Material & Plating	Stainless Steel, Gold	
Body Plating Spec.	3 µin minimum	
Coupling Nut Material & Plating	Passivated Stainless Steel	
Hex Size	5/16 inch	

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: **FMC01052 - xx uu**

- uu: cm = Centimeters; <blank> = Inches
- xx: Length

Example: FMC01052-12 = 12 inches long cable
FMC01052-100cm = 100 cm long cable

SMA Male to SMP Female Cable RG405 Type .086 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: SMA Male to SMP Female Cable RG405 Type .086 Coax FMC01052

URL: https://www.fairviewmicrowave.com/sma-male-to-smp-female-cable-rg405-type-.086-coax-fmc01052-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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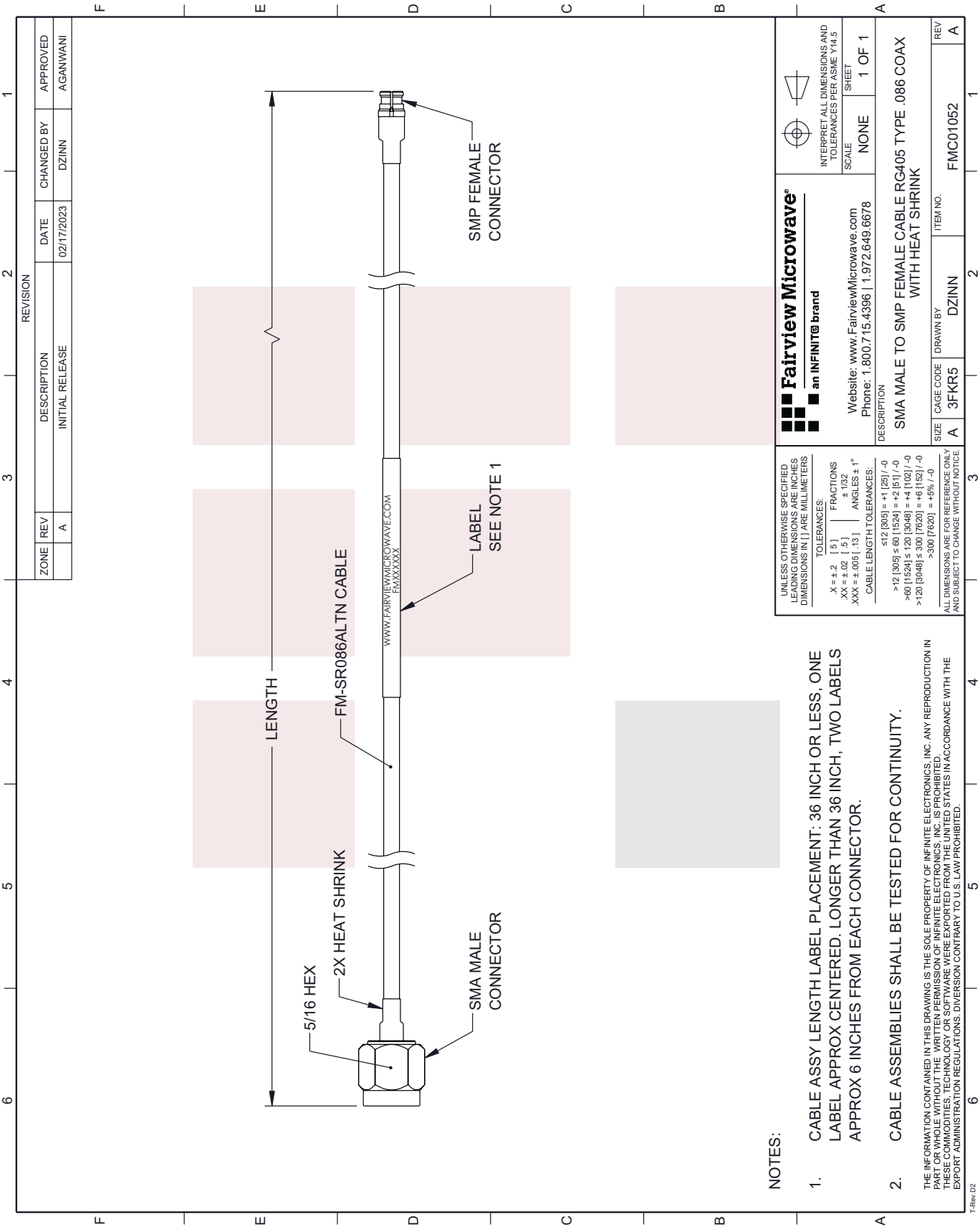

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