

Test Probe Pigtail SMA Female to Straight Cut Lead Cable .020 Coax in 9 Inch and RoHS Compliant

Fairview's semi-rigid test probes are convenient ready-to-use probes designed for use in testing microwave circuits. These probes are constructed of high quality semi-rigid coax and SMA Female connectors. The assemblies come in multiple cable diameters to help when attaching two very fine traces or into tight spaces. There are two versions including straight-cut probe ends for those that would like to customize the dimensions of the center conductor and dielectric dimensions as well as pre-stripped probe ends that are ready for immediate use. Each assembly has been RF tested to ensure VSWR specifications of the assembly are met prior to trimming. Each assembly comes in special packaging to protect the small diameter coax and pre-trimmed probe ends.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	
Operating Voltage (AC)			500	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	6				GHz
Insertion Loss (Typ.)	0.55	1.28				dB
VSWR (Max.)	1.35:1	1.35:1				

Mechanical Specifications

Cable Assembly

Length*	9 in [228.6 mm]
Weight	0.022 lbs [9.98 g]

Cable

Cable Type	FM-SR020CU
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	Copper, Bare
Outer Conductor Diameter	0.02 in [0.51 mm]



Configuration:

- SMA Female
- Straight Cut Lead
- FM-SR020CU

Features:

- 100% RF Tested Prior to Final Trim
- 1.35:1 Max VSWR to 6 GHz
- 100% High Pot Tested to 500V
- .020 Diameter Semi-Rigid Coax
- Individually Packed in Protective Tube

Applications:

- RF test lead for measurements up to 6GHz
- Testing of individual function or subsection of an RF circuit board
- Inject signals for test and verification

Fairview Microwave
1130 Junction Dr. #100
Allen, TX 75013
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Connectors

Description	Connector 1	Connector 2
Type	SMA Female	Straight Cut Lead Sexless
Impedance	50 Ohms	50 Ohms
Outer Cond Material & Plating	Brass, Gold	
Body Material & Plating	Brass, Gold	

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8"$, whichever is greater.

Environmental Specifications

Temperature

Operating Range

+125 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA1187 - xx uu

cm = Centimeters
<blank> = Inches

Length

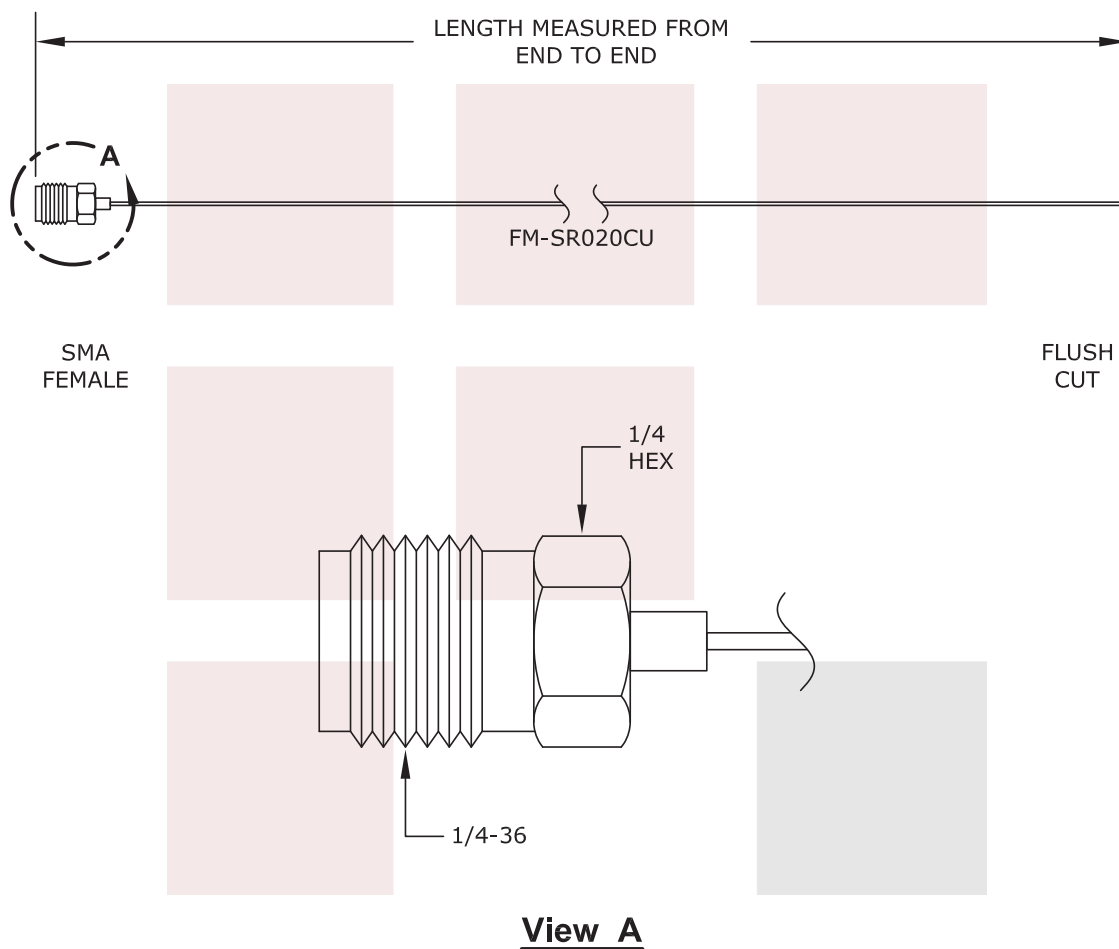
Example: FMCA1187-12 = 12 inches long cable
FMCA1187-100cm = 100 cm long cable

Test Probe Pigtail SMA Female to Straight Cut Lead Cable .020 Coax in 9 Inch and RoHS Compliant from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Test Probe Pigtail SMA Female to Straight Cut Lead Cable .020 Coax in 9 Inch and RoHS Compliant FMCA1187-9](#)

URL: <https://www.fairviewmicrowave.com/test-probe-pigtail-sma-female-straight-cut-lead-cable-.020-coax-fmca1187-9-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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TITLE Test Probe Pigtail SMA Female to Straight Cut Lead Cable .020 Coax in 9 Inch and RoHS Compliant	DWG NO FMCA1187		CAGE CODE 3FKR5		
	CAD FILE 011916	SHEET	SCALE N/A	SIZE A	2233