

Coaxial RF GS Probe with 800 Micron Pitch Up to 40 GHz with 2.92mm Interface and Cable Mount

Coaxial RF GS probe, part number FMPB1003, from Fairview Microwave is in-stock and ships same day. This probe is part of a full family of GS (SG) and GSG probe versions that are well suited for PCB probing, device characterization and RF probing on test fixtures. The probes easily connect to a RF coaxial cable to connect RF test equipment, including network analyzers, spectrum analyzers, signal sources or BERTs. While they are designed to be used manually with a coaxial cable assembly, they can also be used with Fairview Microwave's optional probe positioner for added stability and probe repeatability. Differential measurements are also possible by using pairs of RF GS probes in tandem with skew matched cable assemblies.

Fairview's coaxial RF GS probe datasheet specifications and outline drawing are shown in this PDF fellow. Our extensive offering of RF, microwave and millimeter wave interconnects allows designers to configure and customize their signal connections however they like. From making consistent RF probe measurements or probing and characterizing PCBs, Fairview Microwave has the right probing and connection solutions to meet your needs.



Configuration:

- Single Channel
- Cable Mount
- GS Tip
- 2.92mm Female Connector
- 800 um Pitch

Features:

- 40 GHz Performance
- Good Return Loss of 10 dB
- Convenient Cable Mount
- Gold Plated GS Contacts

Applications:

- S-parameter Probing
- RF Coaxial Probing
- Signal Integrity Measurements
- Device Characterization
- Coplanar Waveguide Probing

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
Return Loss			10	dB
Insertion Loss			0.5	dB

Mechanical Specifications

Probe				
Configuration		GS		
Pin Type		Pogo Pin		
Pitch		800 um [0.03 in]		
Connector				
Connector Type		2.92mm Female		
Size				
Length		1.18 in [29.97 mm]		
Weight		0.009 lbs [4.08 g]		

Environmental Specifications

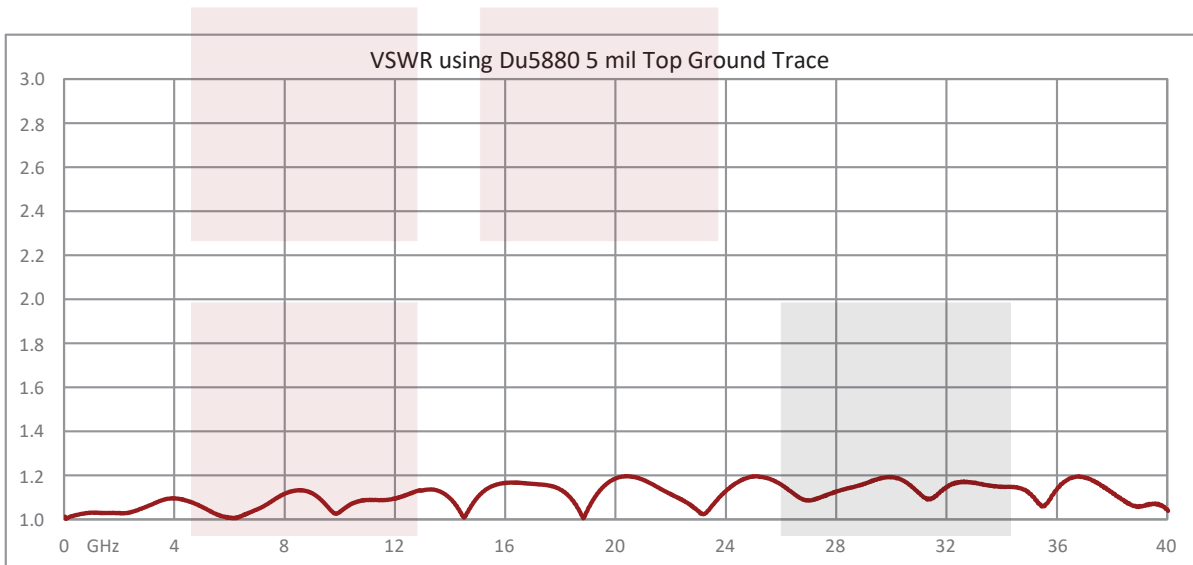
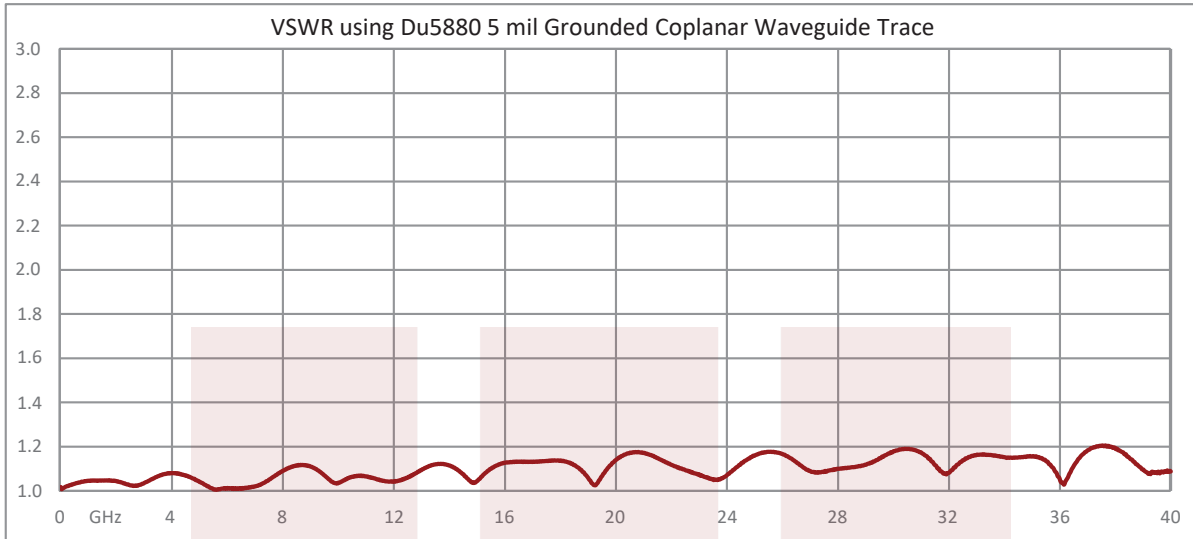
Compliance Certifications (see [product page](#) for current document)

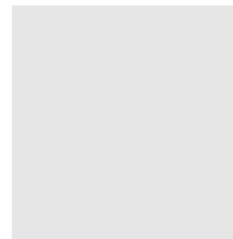
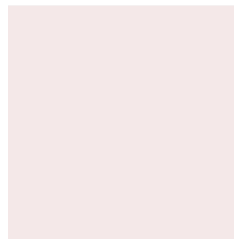
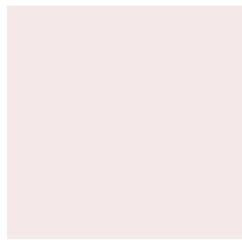
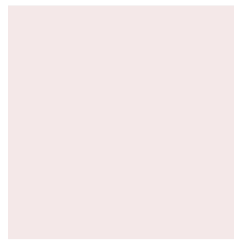
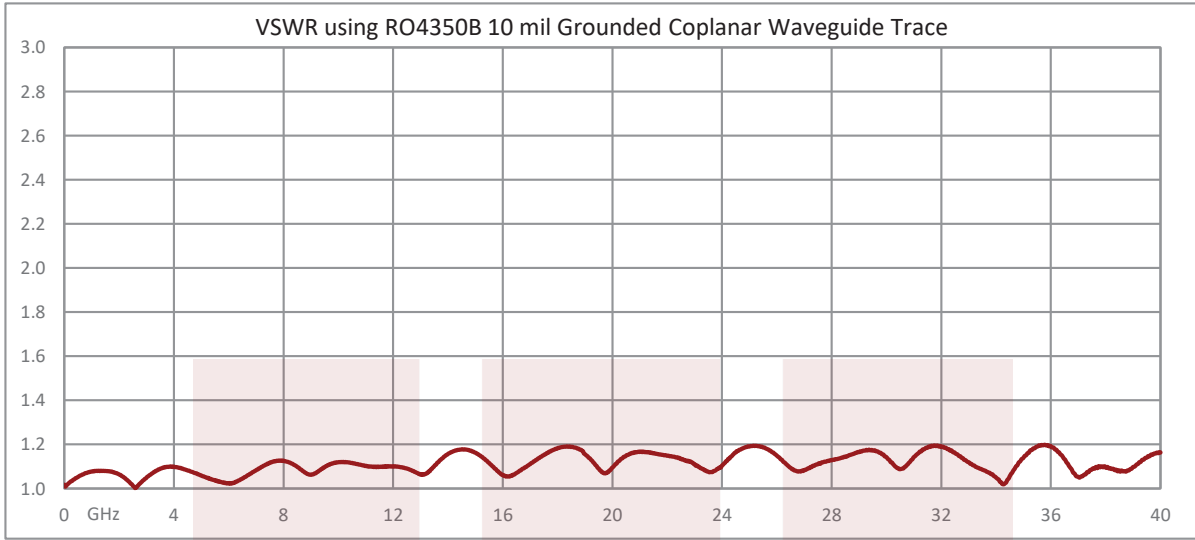
Plotted and Other Data

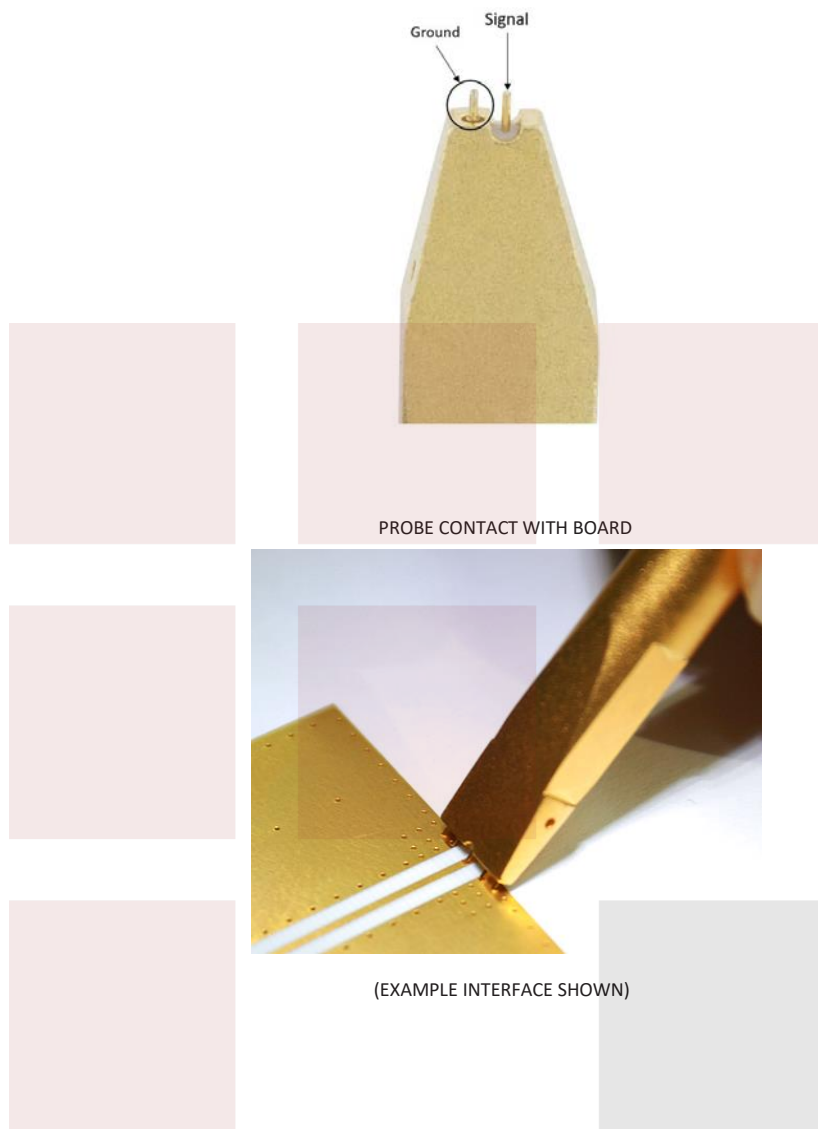
Notes:

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Typical Performance Data



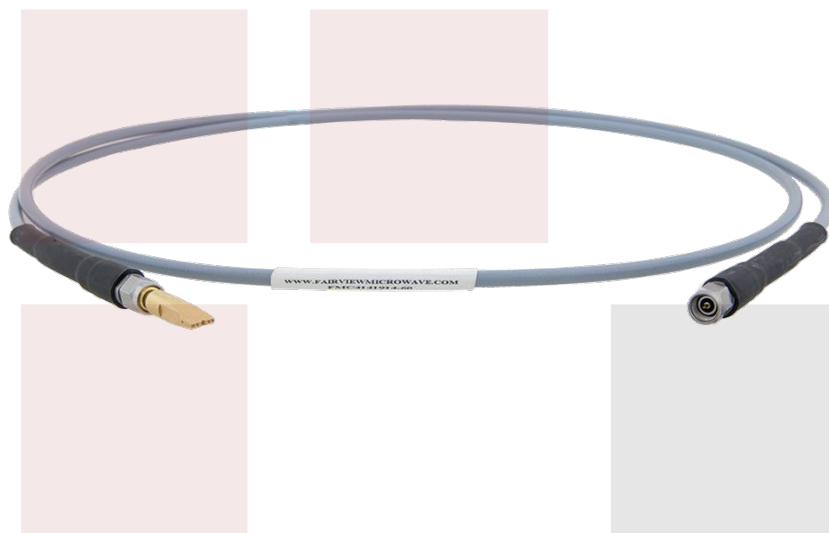




PROBE IN POSITIONER, FMTL1000



SHOWN WITH FMC2929914 CABLE ASSEMBLY



(POSITIONER AND CABLE ASSEMBLY SOLD SEPARATELY)

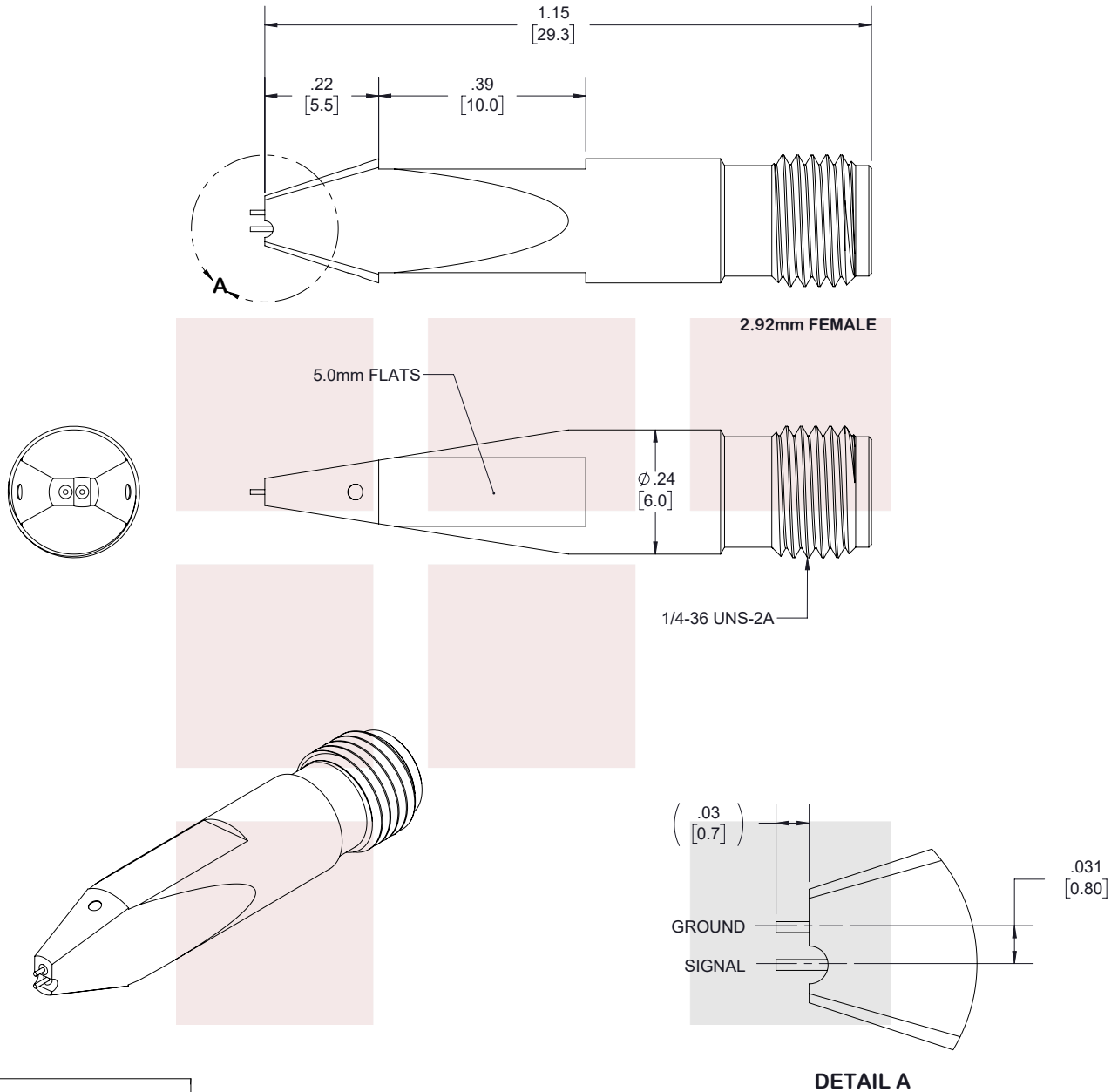
Coaxial RF GS Probe with 800 Micron Pitch Up to 40 GHz with 2.92mm Interface and Cable Mount from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Coaxial RF GS Probe with 800 Micron Pitch Up to 40 GHz with 2.92mm Interface and Cable Mount FMPB1006](#)

URL: <https://www.fairviewmicrowave.com/coaxial-rf-gs-probe-1500-micron-pitch-40ghz-2.92mm-cable-mount-fmpb1006-p.aspx>

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].						
TITLE Coaxial RF GS Probe with 800 Micron Pitch Up to 40 GHz with 2.92mm Interface and Cable Mount		DWG NO FMPB1006			CAGE CODE 3FKR5			
CAD FILE	07/13/18	SHEET	1 OF 1	SCALE	N/A	SIZE	A	7361