

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

FMPB1004

Configuration

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

Features

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

Applications

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

Description

Coaxial RF GSG probe, part number FMPB1004, 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 GSG probes in tandem with skew matched cable assemblies.

Fairview's coaxial RF GSG 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
Return Loss			10	dB
Insertion Loss			0.5	dB

Mechanical Specifications

Probe

Configuration	GSG
Pin Type	Pogo Pin
Pitch	800 um [0.03 in]

Connector

Connector Type	2.92mm Female
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Size

Length	1.18 in [29.97 mm]
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Width	2.95 in [74.93 mm]
Height	0.7 in [17.78 mm]
Weight	0.0593 lbs [26.9 g]

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

Plotted and Other Data

Coaxial RF GSG 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Coaxial RF GSG Probe with 800 Micron Pitch Up to 40 GHz with 2.92mm Interface and Cable Mount FMPB1004](#)

URL: <https://www.fairviewmicrowave.com/coaxial-rf-gsg-probe-800-micron-pitch-40ghz-2.92mm-cable-mount-fmpb1004-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

FMPB1004 CAD Drawing

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