



Differential Probe Series

True 100 Ω Differential Design

70 GHz FPP Probes

0.6mm, 0.8mm, 1.0mm Pin Pitches Available

Features

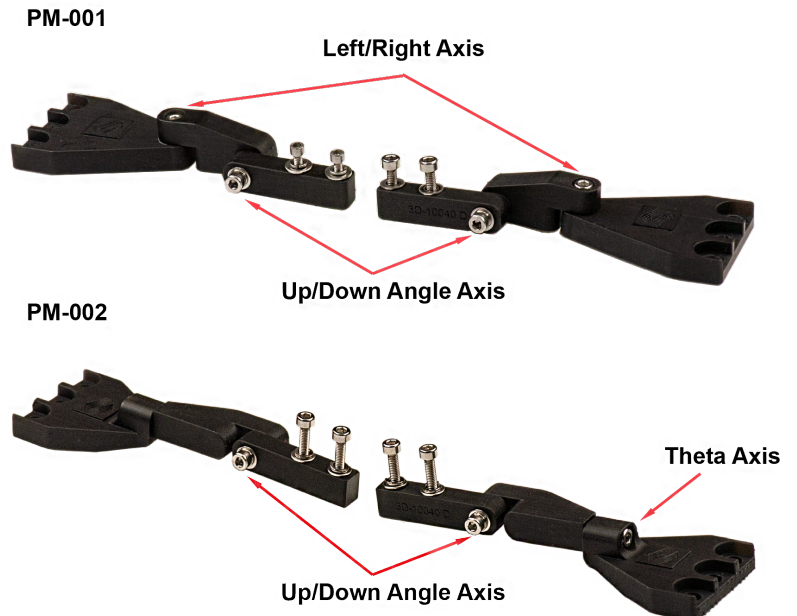
- 100 Ω true odd mode differential
- No ground pins
- Multiple probe pin pitches (0.6mm, 0.8mm, 1.0mm)
- Straight 1-hole mounting
- Multiple pin lengths available

HASCO|RF is an Authorized Distribution Partner for Signal Microwave GigaProbes® Differential Probe Solutions.

These probes are designed to support the industry's demand for higher data rates over differential traces. They are used to characterize transmission lines and devices. A newly patented differential probe design was developed to replace internal cable wires with a printed circuit board. It has a high bandwidth differential transmission line that can be used with test equipment to measure differential S-parameters. There are also de-embedding methods and boards available that support the probes.



Mount Options



Part Number Builder



Fixed Pitch Probe frequency range as defined by connectors

FPP – default

Frequency Range

40 (GHz) for 2.92 mm connectors
50 (GHz) for 2.40 mm connectors
70 (GHz) for 1.85 mm connectors
110 (GHz) for 1.0 mm connectors

Probe pin pitch spacing (center to center of probe tips)

1.00 – 1.0 mm spacing
0.80 – 0.8 mm spacing
0.60 – 0.6 mm spacing

Body style and pin length defined in sequential order

001 – standard
002 and beyond will be for different configurations

Part Number	Frequency	Pin Pitch	Pin Material
FPP70-1.0-001	70 GHz	1.00mm	Stainless Steel
FPP70-1.0-002	70 GHz	1.00mm	BeCu
FPP70-0.80-001	70 GHz	0.80mm	Stainless Steel
FPP70-0.80-002	70 GHz	0.80mm	BeCu
FPP70-0.60-001	70 GHz	0.60mm	Stainless Steel
FPP70-0.60-002	70 GHz	0.60mm	BeCu

LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: <i>NS</i>	REVIEWED BY: <i>JS</i>
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MATERIALS:

SEE DATA SHEET

CAGE CODE:

0T8L4

SCALE:

N/A

SIZE:

A

FINISHES:

SEE DATA SHEET

PART NO./DRAWING NO.

FPP70

REV:

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