

Accessory for DL9000 Series Digital Oscilloscopes



2.0 GHz Differential Probe

Differential probes are indispensable for measuring high speed differential signals such as LVDS. Use of the PBD2000, with DL9000 series oscilloscopes, provides 1.0GHz or 1.5GHz system bandwidth for differential measurements. The probe's small head size makes it easy to probe small points on a circuit.

Differential probes with high common mode rejection enable high-fidelity signal observation.



2.0 GHz bandwidth differential probe

Standard Accessories (9 items)

Spring pin (straight)	x 4
Pin (straight)	x 8
Pin (L shape)	x 2
Micro Clip (red)	x 1
Single lead (red)	x 1

Spring pin (angle) Pin (angle)	x 4 x 8
Micro Clip (black)	x 1
Single lead (black)	x 1

Model	Description
701923	2.0GHz differential probe
701915	Browser attachments

701915 Browser attachments (9 items)

Spring pin (straight)	x 4
Spring pin (angle)	x 4
Pin (straight)	x 20
Pin (angle)	x 20
Pin (L shape)	x 2
Micro Clip (black)	x 1
Micro Clip (red)	x 1
Micro Clip (black) Micro Clip (red)	x 1
Single lead (black)	x 1
Single lead (red)	x 1



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Electrical Specifications

Frequency Bandwidth: Attenuation Ratio*1:

Input Resistance:

Input Capacitance:

Max. operational input voltage: Max. differential input voltage: Residual noise: Residual offset voltage*2:

CMRR:

*1): excluding residual offset level
*2): Short circuit at the tip or 0V input Typical value - Not warranted

Mechanical Characteristics

Weight (probe only): Cable Length: Approximately 80 g Approximately 1.2 m

2.0 GHz (-3 dB)

+/- 7V

+/- 5V

 $10: 1 \pm 2\%$ or less (excluding error contribution from oscilloscope) $50k\Omega \pm 2\%$ or less (against GND

approx. 1.1 pF (typical; against GND level from each input terminal)

level from each input terminal)

+/- 500uVrms or less (typical)

-35dB or less @ DC-10MHz -20dB or less @ 10MHz-100MHz -12dB or less @ 100MHz-1GHz

+/- 10mV or less (typical) (offset is user-adjustable)

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Subject to change without notice.