

Picoprobe®

BY GGB INDUSTRIES INC.



(Shapes available for use on any micropositioner with any probing system.)

The Picoprobe® Model 34A has been engineered to meet the stringent demands of advanced high frequency circuit designers. This probe combines full DC capability, rise/fall times of 120 ps, and a nominal loading input impedance of 10 MΩ shunted by 0.1 pf. Signal attenuation is 20:1 with a 50 ohm oscilloscope input. Like our other active probes, the Model 34A achieves its bandwidth using just one probe point, which greatly simplifies internal node testing without sacrificing performance. An assortment of user replaceable probe tips are available for a variety of probing needs. The Model 34A is powered by our standard Picoprobe® power supply.

Specifications:

Input Capacitance.....	0.1 pf
Input Resistance.....	10.0 MΩ
Rise / Fall Time.....	120 ps (5 V pulse)
Frequency Response.....	DC to 3 GHz (-3 dB)
Operating Range.....	-7V to +10V
Linearity.....	0.5 %
Gain Accuracy.....	±3.0 %
Signal Attenuation.....	20 : 1

Replacement Tips:

Part #	Tungsten Probing Wire Shaft Diameter	Point Radius	Probe Tip Housing Shape
34A-4-10	10 micron	< 0.1 micron	
34A-4-22	22 micron	< 1.0 micron	
34A-4-35	35 micron	< 2.0 micron	
34A-4-60	60 micron	< 3.0 micron	
34A-4-125	125 micron	< 5.0 micron	

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