


Model 34A Active probe (DC - 3GHz)



The **MODEL 34A** was engineered to meet the stringent demands of advanced high frequency circuit designers. This high impedance probe combines full DC capability, rise/fall times of 120 ps, and a nominal loading input impedance of 10 megohm 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.

Specifications	
Input Capacitance	0.1pf
Input Resistance	10.0 megohm
Rise/fall time	120 ps (5V pulse)
Frequency Response	DC to 3 GHz (-3dB)
Operating Range	-7V to +10V
Linearity	0.5%
Gain Accuracy	±3%
Signal Attenuation	20 : 1
Note	Require the use of a Power Supply powering 2 probes

Model 34A Replacement Tips			
Part Number	Tungsten Probing Wire Shaft Diameter	Point Radius	
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	