

TABLE B—CHARACTERISTICS OF 1N4148 DIODE AT 25°C

Current probe	Amplifier	Noise floor (100-MHz bandwidth, μA)	Comments
Tektronix P6022 (1 mV/mA)	Preamble 1855 (1 MΩ)	100	Split core is convenient to use, but sensitivity is low, resulting in relatively high overall noise floor.
Tektronix CT-1 mV/mA)	Hewlett-Packard 461A (50Ω)	15	This probe's higher gain accounts for most of the noise-floor reduction. The 50Ω amplifier provides some additional benefit. A close-core probe requires a breaking conductor to make a measurement.