

**TABLE A—FAST EDGE DETECTORS FOR RISE-TIME CHECKING**

Manufacturer	Model	Rise time (psec)	Amplitude	Availability	Comments
Avtech	AVP2S	40	0V to 2V	Current production	Free-running or triggered operation, 0 to 1 MHz
Agilent	213B	100	≈ 175 mV	Secondary market	Free-running or triggered operation to 100 kHz
	1105A/1108A	60	≈ 200 mV	Secondary market	Free-running or triggered operation to 100 kHz
	1105A/1106A	20	≈ 200 mV	Secondary market	Free-running or triggered operation to 100 kHz
Picosecond Pulse Labs	TD1110C/TD1107C	20	≈ 230 mV	Current production	Similar to discontinued HP1105/1106/8A; see above
Stanford Research Systems	DG535 OPT 04A	100 psec	0.5V to 2V	Current production	Must be driven with stand-alone pulse generator
Tektronix	284	70 psec	≈ 200 mV	Secondary market	50-kHz repetition rate; pre-trigger 75 to 150 nsec before main output; calibrated 100-MHz and 1 GHz sine-wave auxiliary outputs
	111	500 psec	≈ ±10V	Secondary market	10- to 100-kHz repetition rate; positive or negative outputs; 30- to 250-nsec pretrigger output; external trigger input; pulse width set with charge Lines
	067-0513-00	30 psec	≈ 400 mV	Secondary market	60-nsec pretrigger output; 100-kHz repetition rate
	109	250 psec	0V to ± 55V	Secondary market	≈ 600-Hz repetition rate (high-pressure Hg Reed-relay based); positive or negative outputs; pulse width set by charge lines