

AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVR-E2-B-P-TEK1C
Type: Ultra-High-Speed Pulse Generator
S.N.: 12874
Date: August 17, 2012

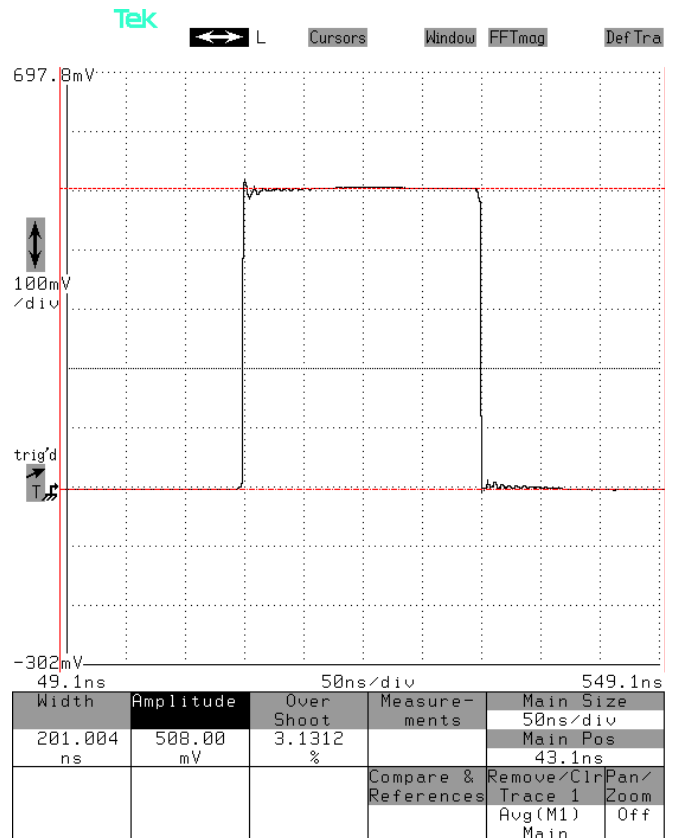
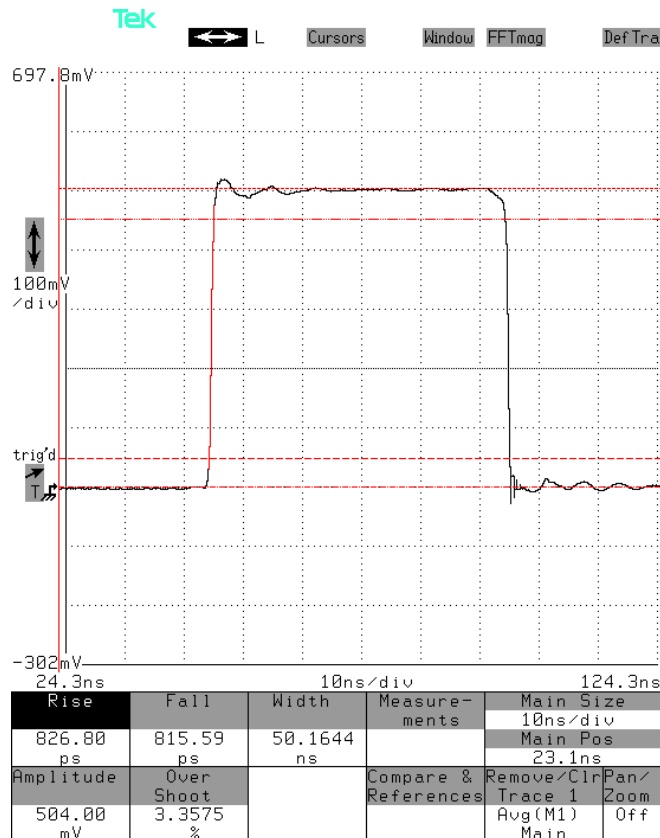
Output Amplitude: +10 to +50V, into 50Ω
Pulse Width (FWHM): 50 – 200 ns
Rise Time (10%-90%): > 0.6 but < 1.0 ns
Fall Time (90%-10%): > 0.6 but < 2.0 ns
PRF: 1 Hz - 100 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

Test Waveforms

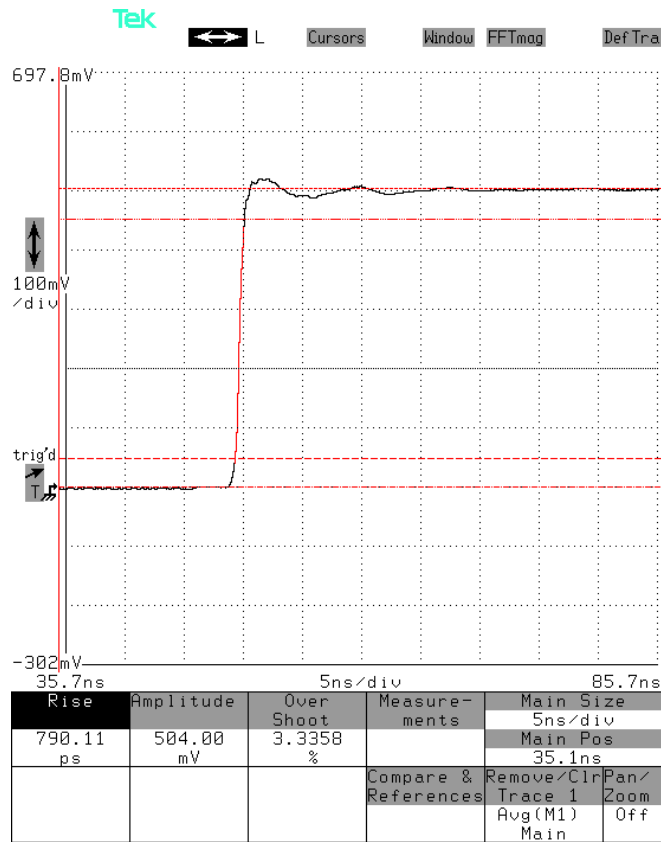
Full pulse at 10 kHz, 50 ns, +50V,
10 ns/div. 10 V/div (100 mV × 40 dB):

Full pulse at 10 kHz, 200 ns, +50V,
10 ns/div. 10 V/div (100 mV × 40 dB):



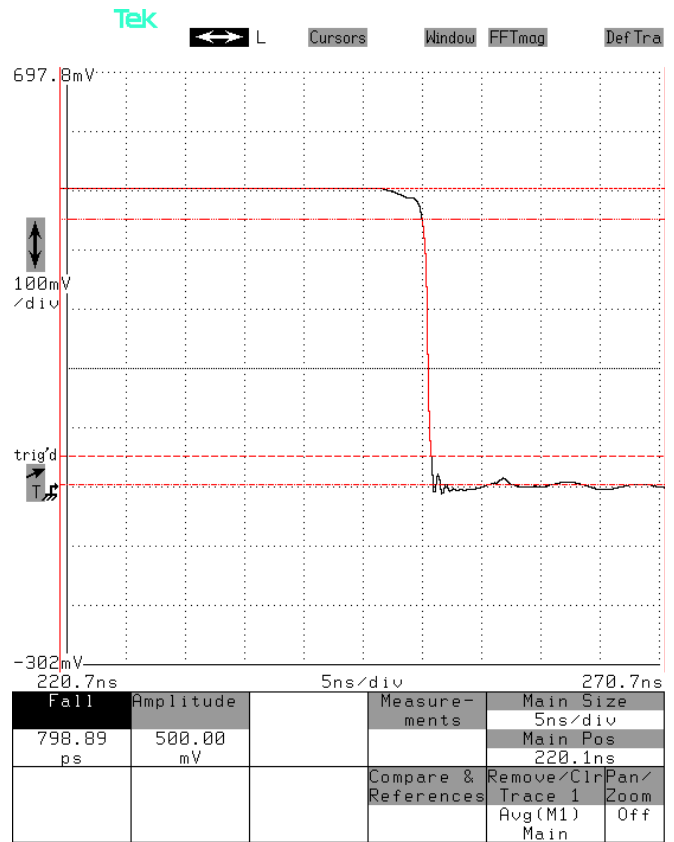
Leading edge at 10 kHz, 200 ns, +50V,

5 ns/div. 10 V/div (100 mV × 40 dB):



Trailing edge at 10 kHz, 200 ns, +50V,

5 ns/div. 10 V/div (100 mV × 40 dB):



Pulse top aberrations at maximum amplitude (+50V): < +/-5% within the first 20 ns and last 12 ns of the pulse, and < +/-2% for the remaining middle portion of the pulse.