



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVP-AV-1-C-2CHPN
Type: Ultra-High-Speed Pulse Generator
S.N.: 12836
Date: June 15, 2012

Output Amplitude: up to 10V, to 50Ω
Pulse Width (FWHM): 0.2 to 4 ns
Rise Time (20%-80%): ≤ 100 ps
Fall Time (80%-20%): ≤ 300 ps
PRF: 1 Hz - 1 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

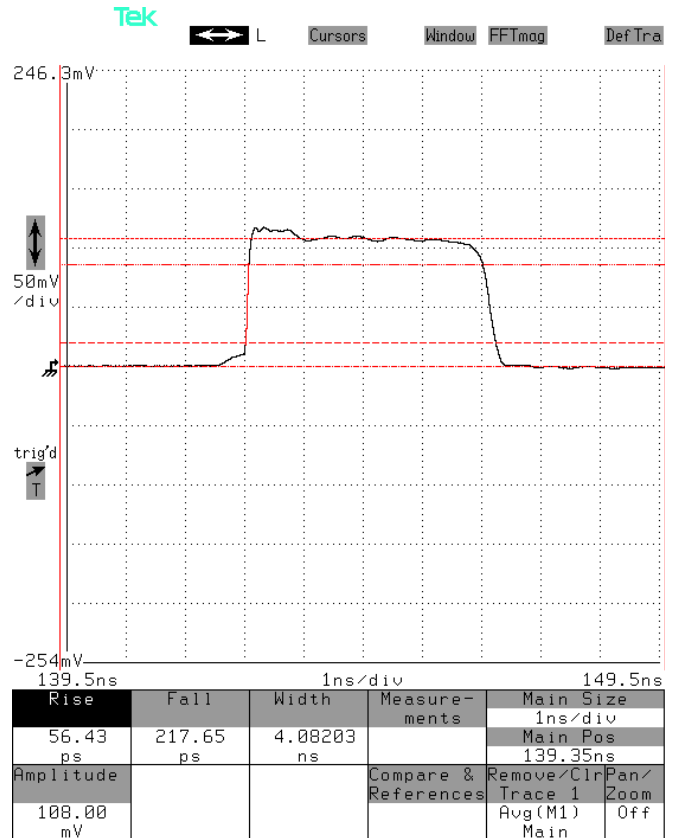
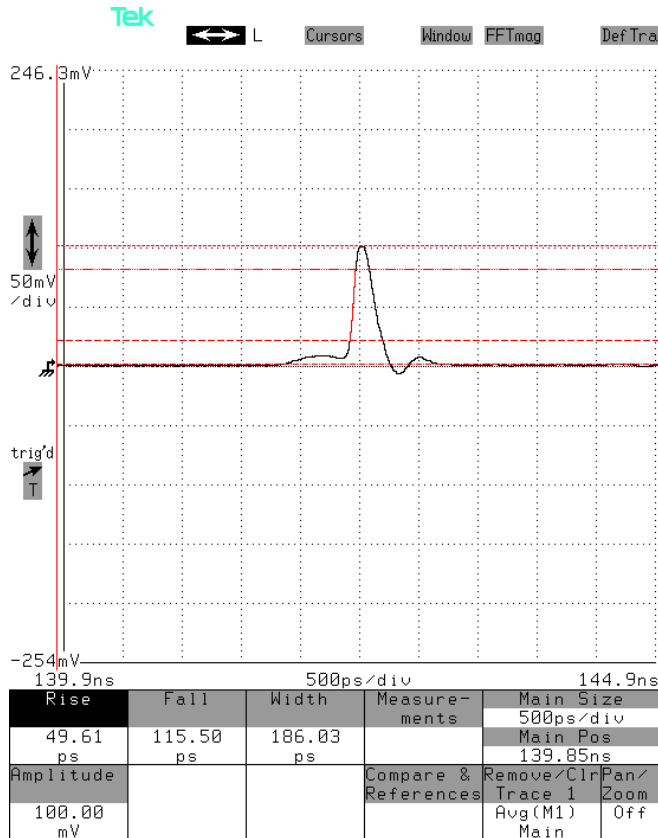
Test Waveforms

1 MHz, < 200 ps, +10V,

1 MHz, 4 ns, +10V,

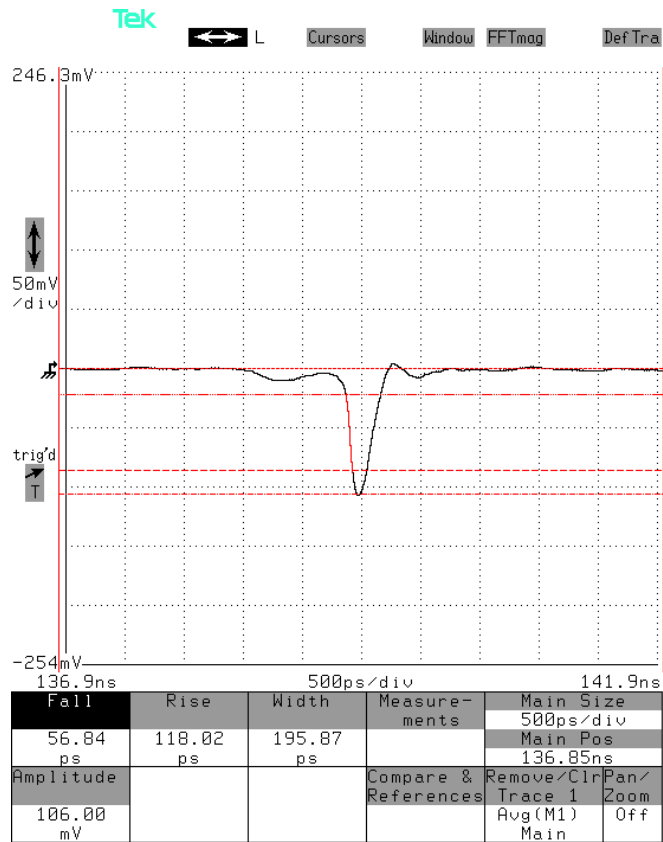
500 ps/div. 5 V/div (50 mV × 40 dB):

1 ns/div. 5 V/div (50 mV × 40 dB):



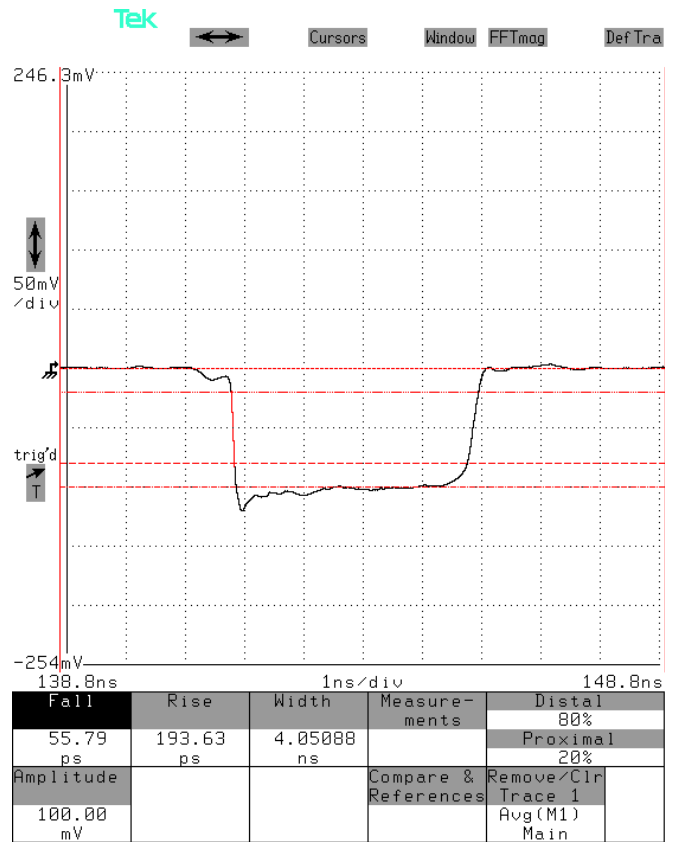
1 MHz, < 200 ps, -10V,

500 ps/div. 5 V/div (50 mV × 40 dB):



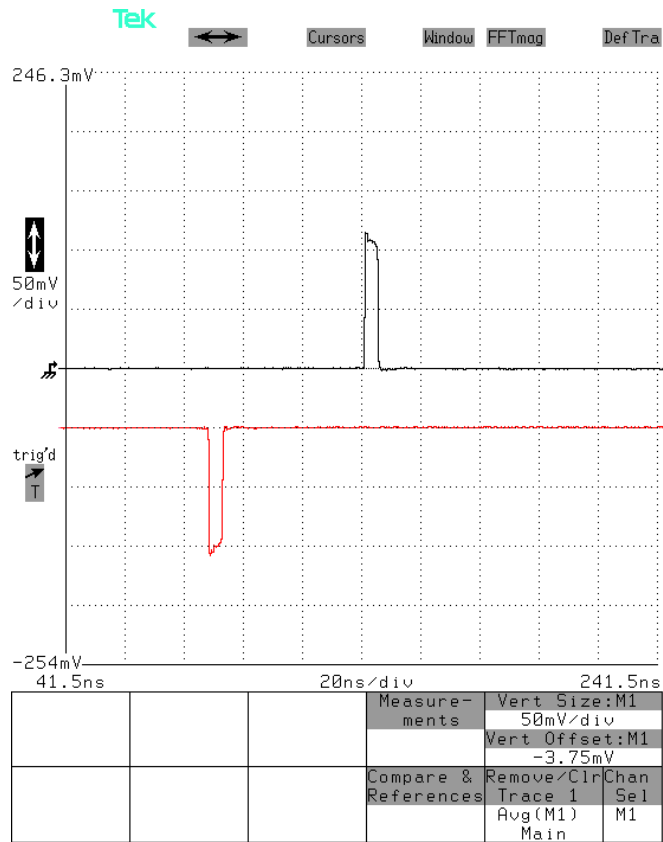
1 MHz, 4 ns, -10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



Inter-channel delay at minimum,

20 ns/div. 5 V/div (50 mV × 40 dB):



Inter-channel delay at maximum,

20 ns/div. 5 V/div (50 mV × 40 dB):

