



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVPP-2-C-2CHPN-AT-AC02-AK8
Type: Ultra-High-Speed Pulse Generator
S.N.: 13099
Date: December 3, 2013

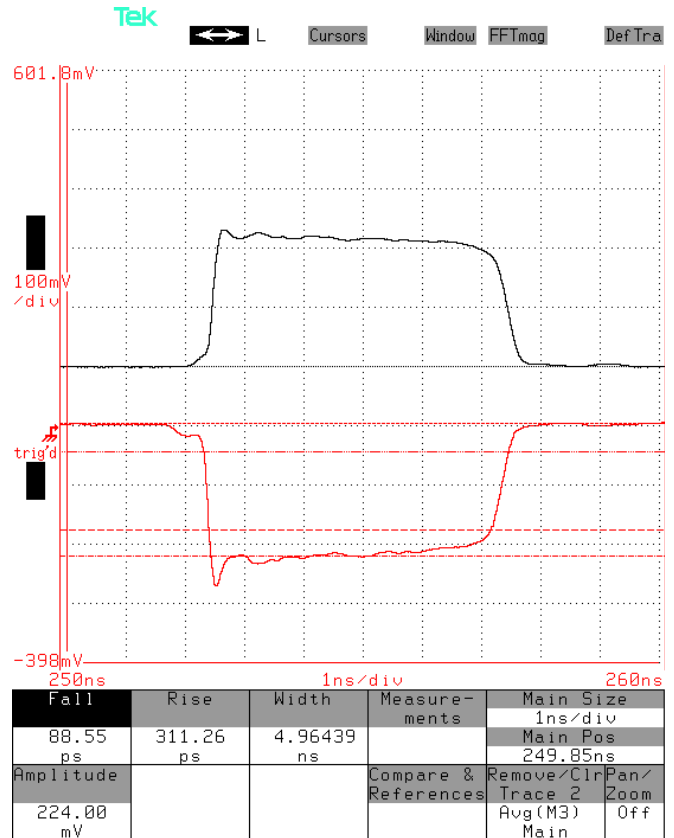
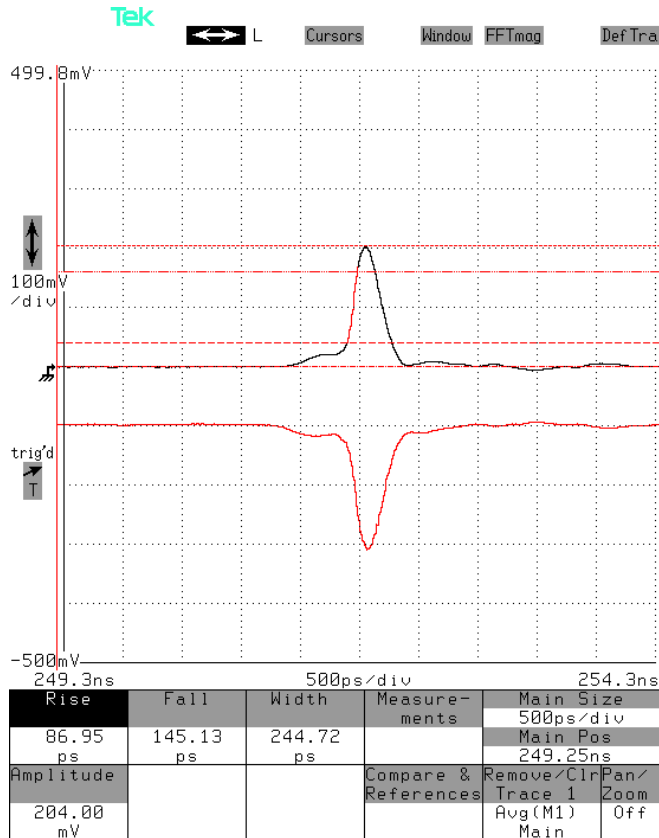
Output Amplitude: up to 20V, to 50Ω
Pulse Width (FWHM): 0.6 to 100 ns
Rise Time (20%-80%): ≤ 200 ps
Fall Time (80%-20%): ≤ 350 or 500 ps
PRF: 1 Hz - 100 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

Test Waveforms

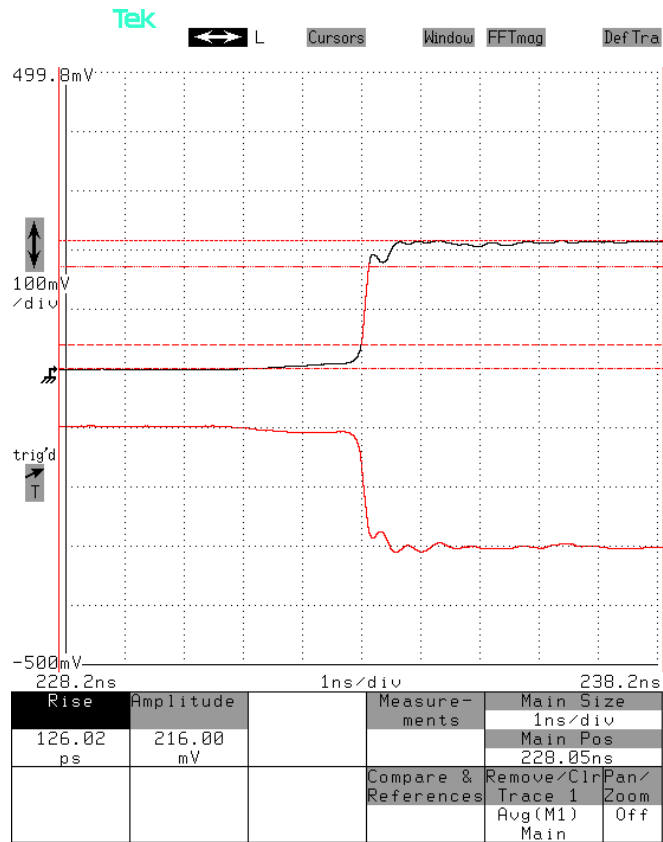
Full pulses at 100 kHz, < 0.6 ns, > 20V,
500 ps/div. 10 V/div (100 mV/div × 40 dB):

Full pulses at 100 kHz, 5 ns, > 20V,
1 ns/div. 10 V/div (100 mV/div × 40 dB):



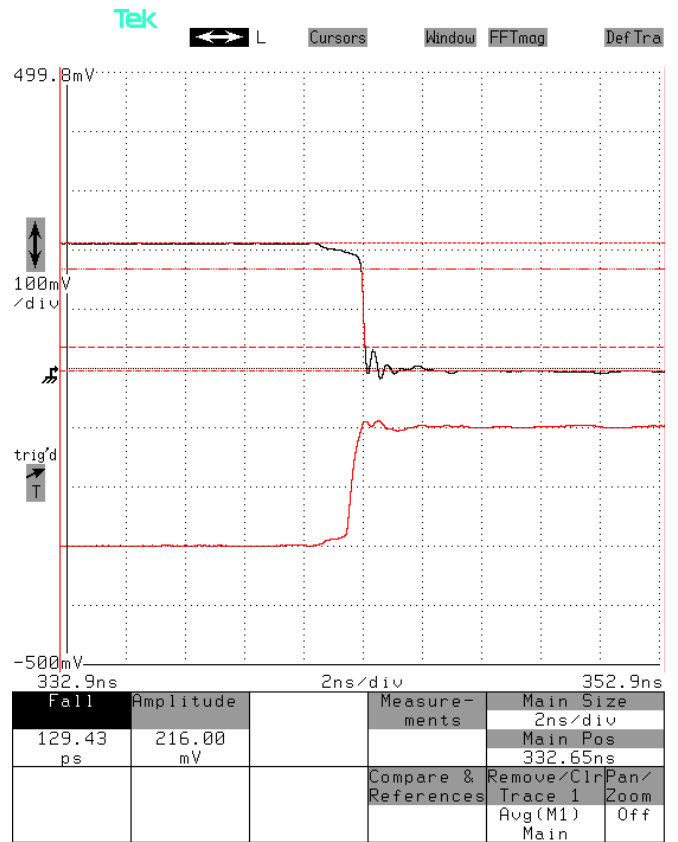
Leading edges at 100 kHz, 100 ns, > 20V,

1 ns/div. 10 V/div (100 mV/div × 40 dB):



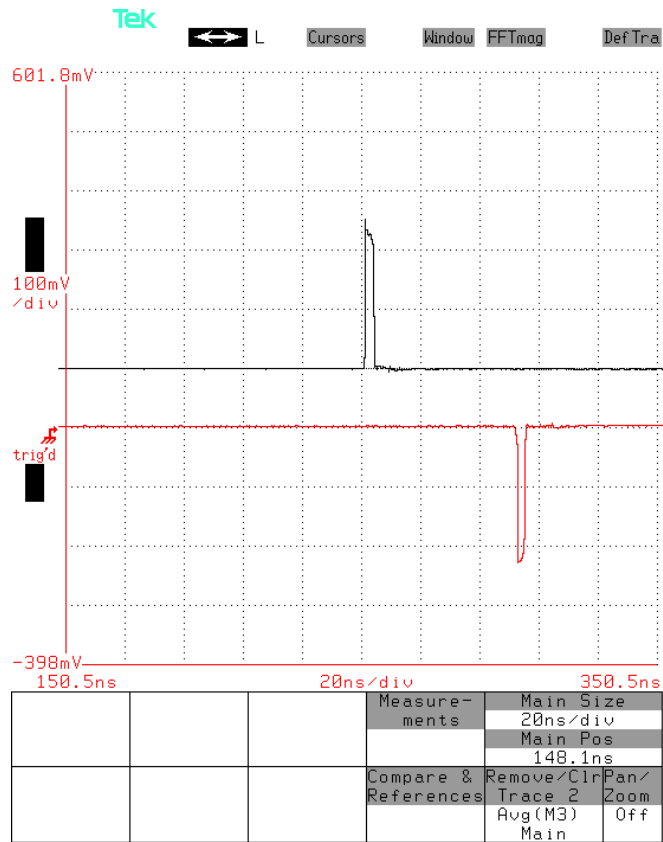
Trailing edges at 100 kHz, 100 ns, > 20V,

2 ns/div. 10 V/div (100 mV/div × 40 dB):



+50 ns delay, at 100 kHz, > 20V,

20 ns/div. 10 V/div (100 mV/div × 40 dB):



-50 ns delay, at 100 kHz, > 20V,

20 ns/div. 10 V/div (100 mV/div × 40 dB):

