



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVPP-2-B-P  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13134  
Date: March 7, 2014

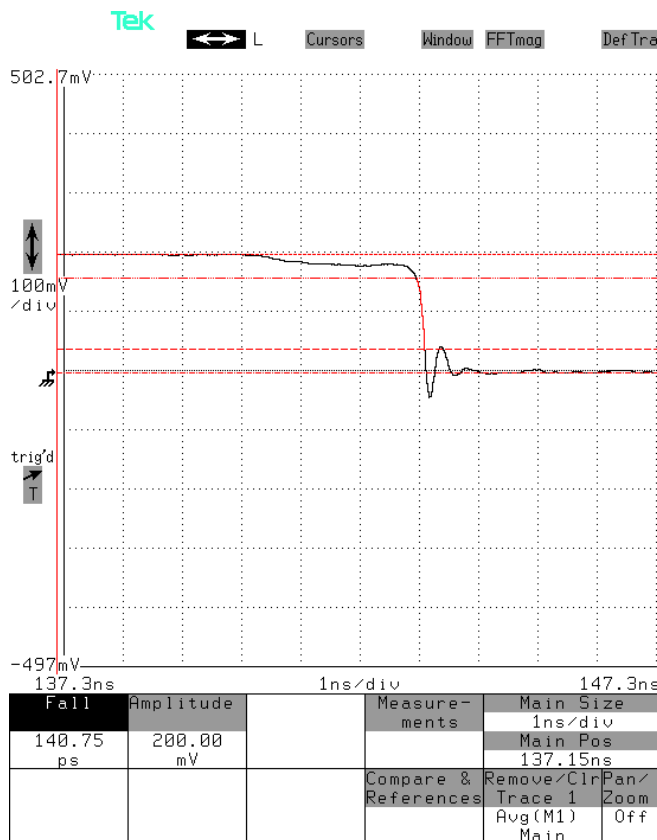
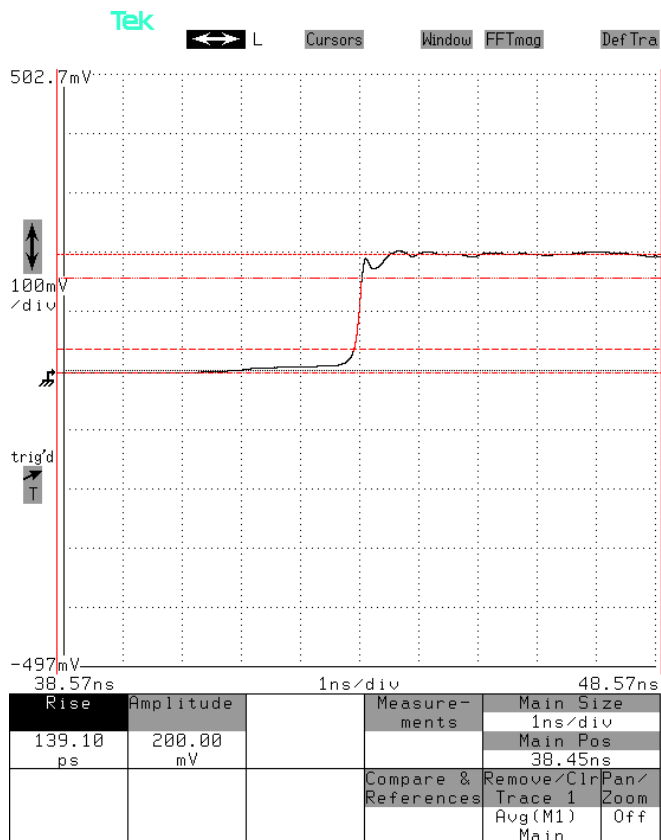
Output Amplitude: up to +20V, to 50Ω  
Pulse Width (FWHM): 0.6 – 100 ns  
Rise Time (20%-80%): ≤ 200 ps  
Fall Time (80%-20%): ≤ 350 ps or 500 ps  
PRF: 1 Hz – 100 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

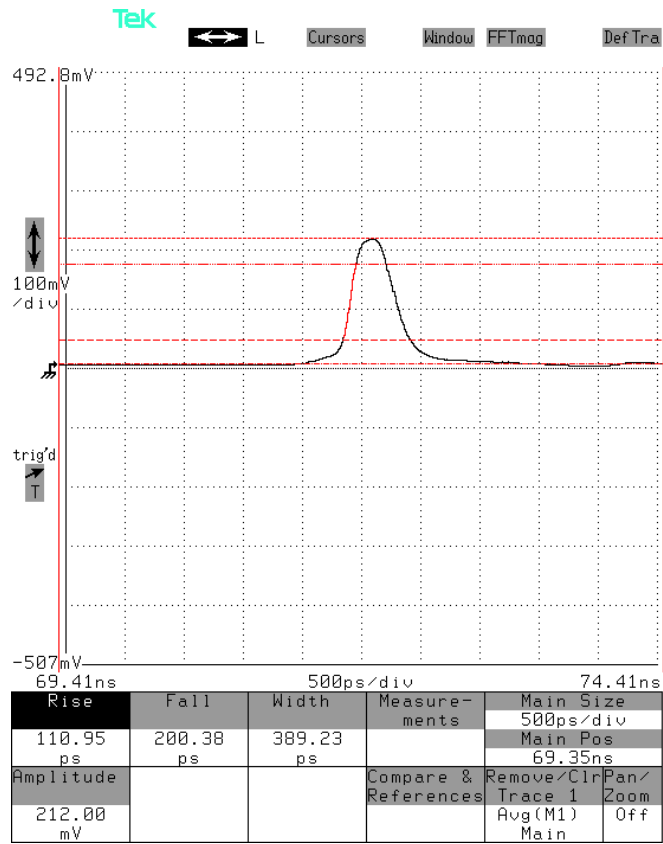
### Test Waveforms

Leading edge at 10 kHz, 100 ns, +20V,  
1 ns/div. 10 V/div (100 mV/div × 40 dB):

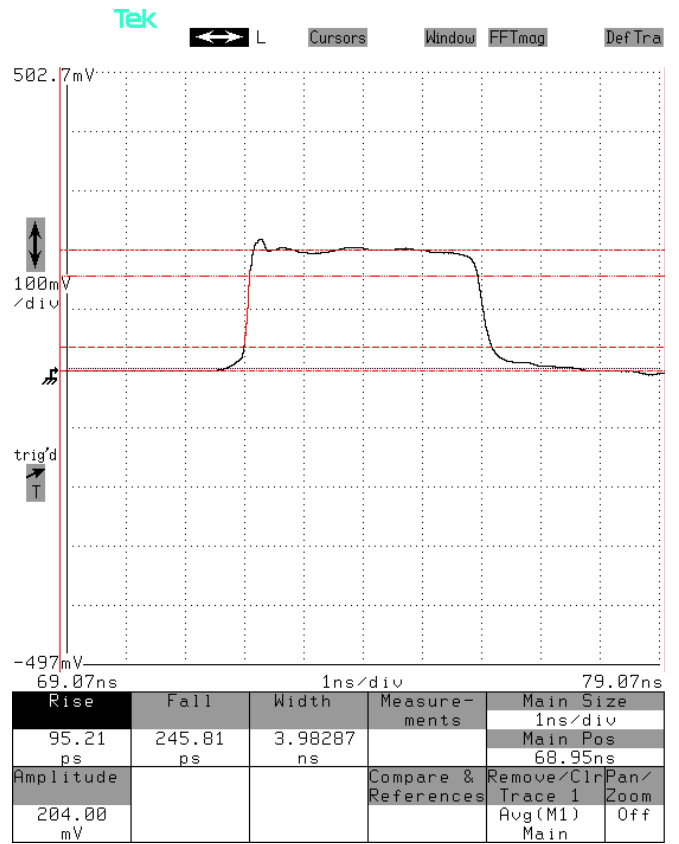
Trailing edge at 10 kHz, 100 ns, +20V,  
1 ns/div. 10 V/div (100 mV/div × 40 dB):



Full pulse at 100 kHz, 0.4 ns, +20V,  
 500 ps/div. 10 V/div (100 mV/div × 40 dB):



Full pulse at 100 kHz, 4 ns, +20V,  
 1 ns/div. 10 V/div (100 mV/div × 40 dB):



Full pulse at 100 kHz, 10 ns, +20V,

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

