



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

□ P.O. BOX 265  
OGDENSBURG, NY  
U.S.A. 13669-0265

TEL: 888-670-8729 (USA & Canada) or +1-613-686-6675 (Intl)  
FAX: 800-561-1970 (USA & Canada) or +1-613-686-6679 (Intl)

☒ BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H4

info@avtechpulse.com - http://www.avtechpulse.com/

## PERFORMANCE CHECKSHEET

Model: AVPP-2A-B-P-M-R5  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12814  
Date: June 27, 2012

Output Amplitude: up to +20V, to 50Ω  
Pulse Width (FWHM): < 0.6 ns to 1 us  
Rise Time (20%-80%): ≤ 250 ps  
Fall Time (80%-20%): ≤ 500 ps / 350 ps  
PRF: 1 Hz - 100 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

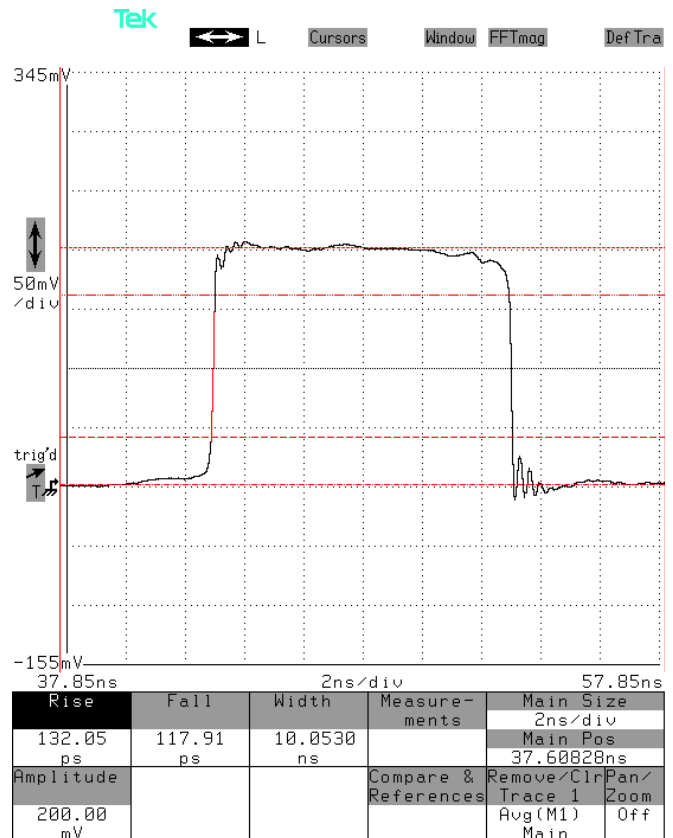
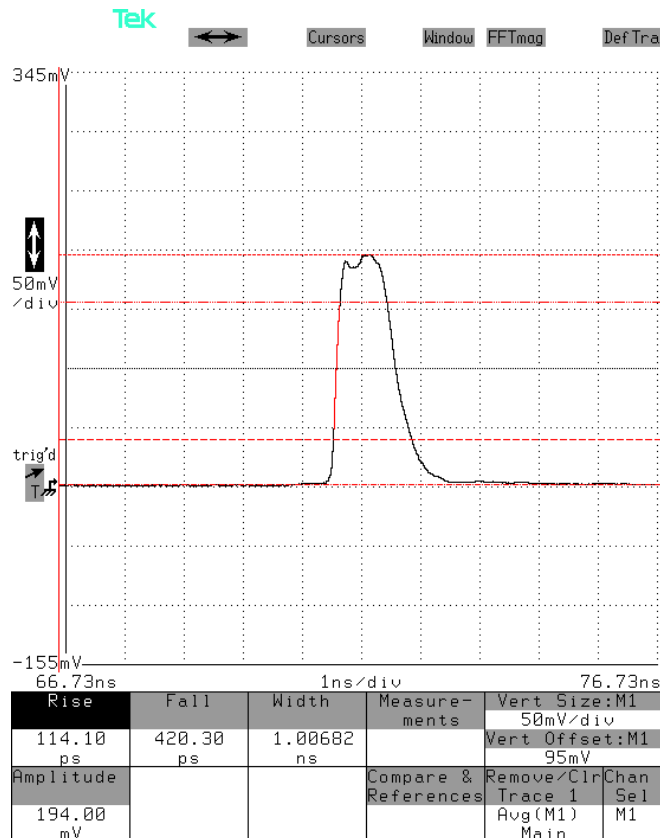
### Test Waveforms

100 kHz, 1 ns, +20V,

1 ns/div. 5 V/div (50 mV × 40 dB):

100 kHz, 10 ns, +20V,

2 ns/div. 5 V/div (50 mV × 40 dB):



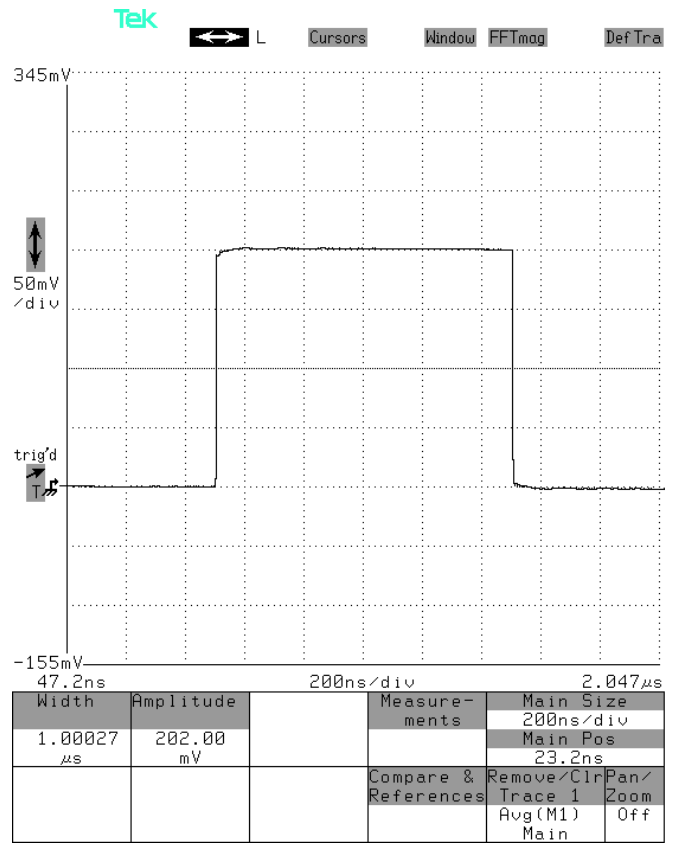
100 kHz, 100 ns, +20V,

20 ns/div. 5 V/div (50 mV × 40 dB):



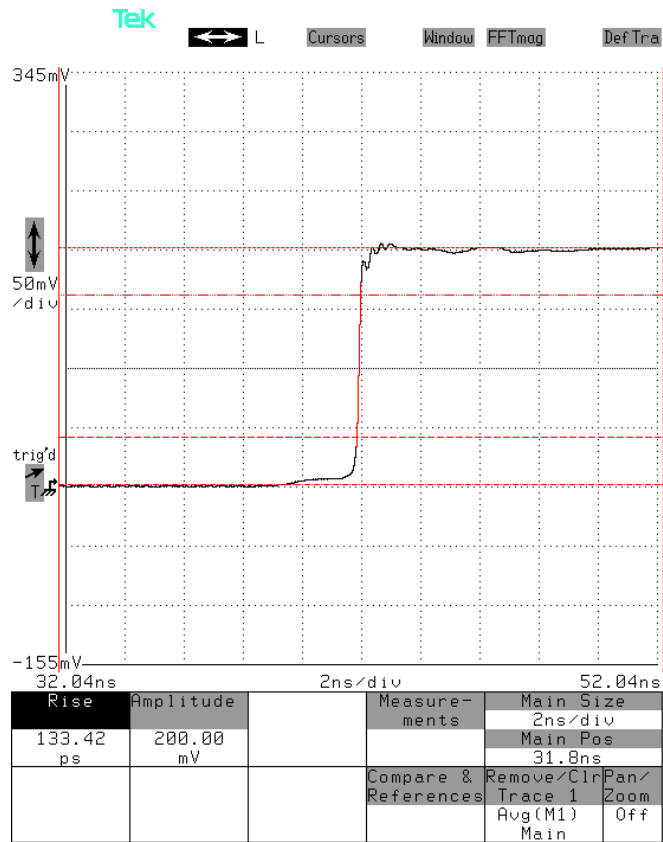
10 kHz, 1 us, +20V,

200 ns/div. 5 V/div (50 mV × 40 dB):



Leading edge at 10 kHz, 1 us, +20V,

2 ns/div. 5 V/div (50 mV × 40 dB):



Falling edge at 10 kHz, 1 us, +20V,

2 ns/div. 5 V/div (50 mV × 40 dB):

