



# 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 3H5

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

## PERFORMANCE CHECKSHEET

Model: AVPP-1A-B-P-AK1-AK8  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13541  
Date: February 21, 2017

Output Amplitude: up to +10V, to 50Ω  
Pulse Width (FWHM): 0.5 ns to 1 us  
Rise Time (20%-80%): ≤ 200 ps  
Fall Time (80%-20%): ≤ 420 ps  
PRF: 1 Hz – 500 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

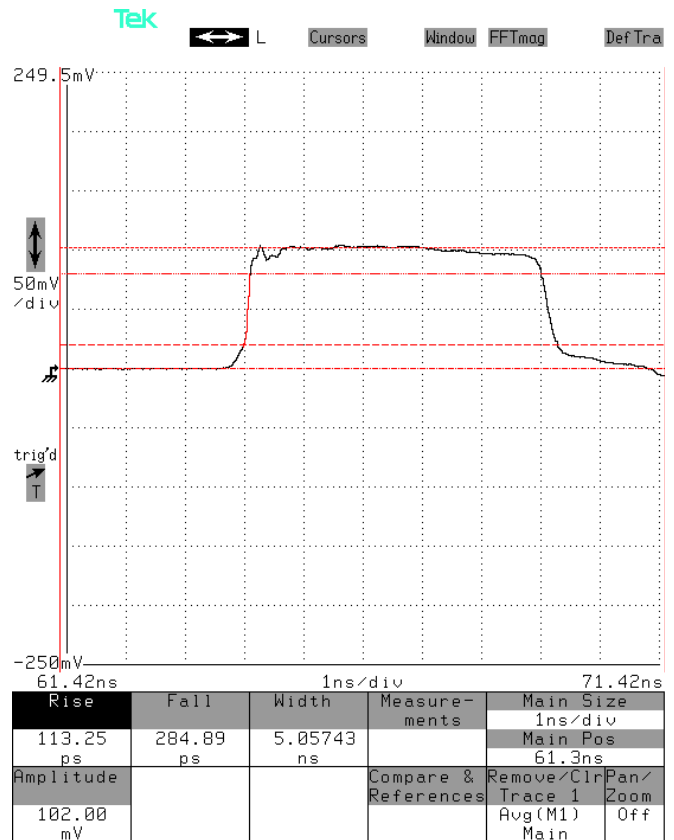
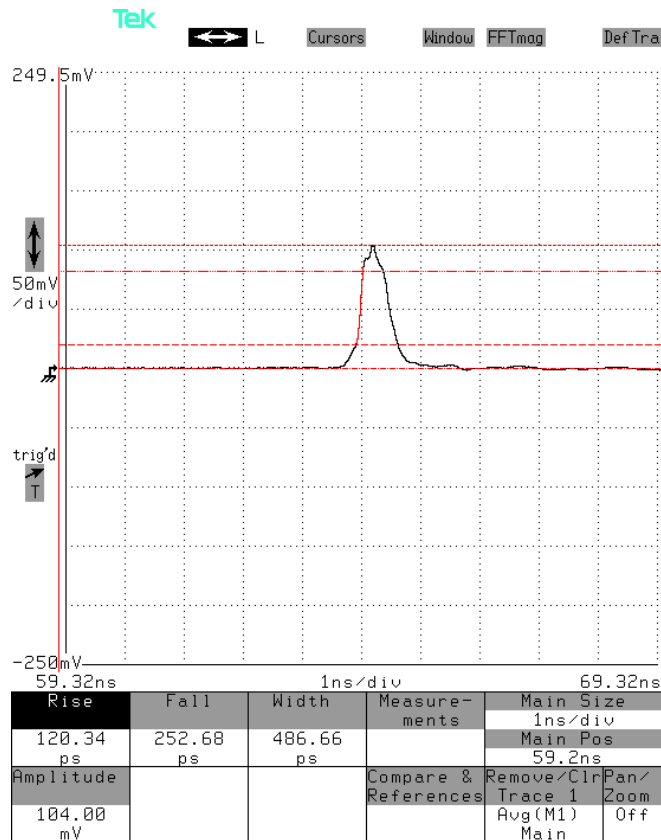
### Test Waveforms

Full pulse at 100 kHz, < 500 ps, +10V,

1 ns/div. 5 V/div (50 mV/div × 40 dB):

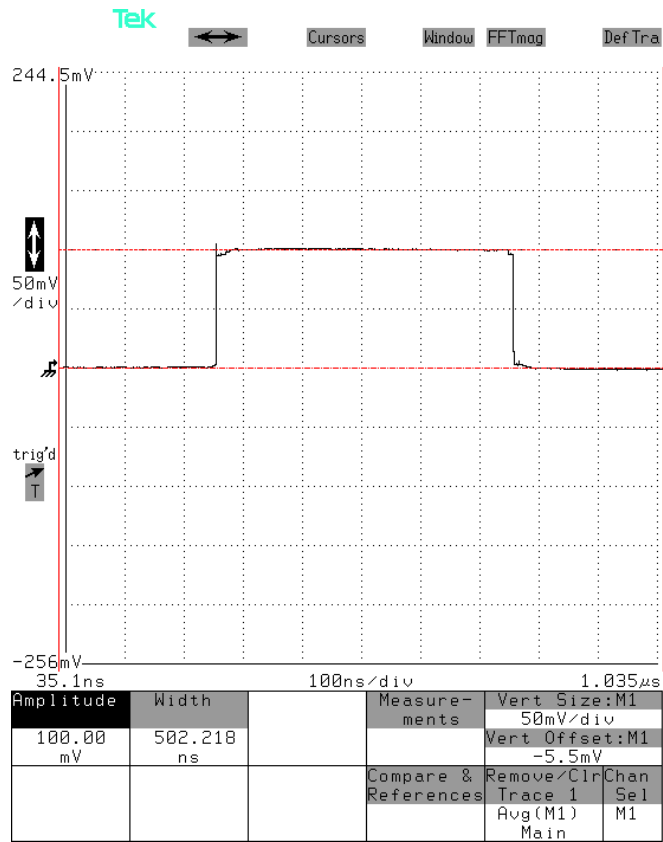
Full pulse at 100 kHz, 5 ns, +10V,

1 ns/div. 5 V/div (50 mV/div × 40 dB):



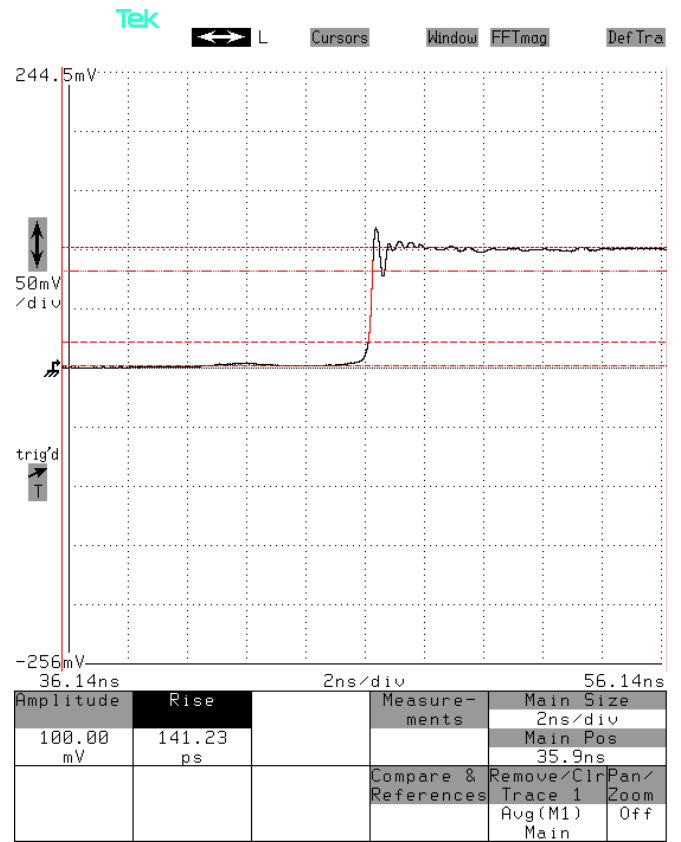
Full pulse at 100 kHz, 500 ns, +10V,

100 ns/div. 5 V/div (50 mV/div × 40 dB):



Leading edge at 100 kHz, 500 ns, +10V,

2 ns/div. 5 V/div (50 mV/div × 40 dB):



Trailing edge at 100 kHz, 500 ns, +10V,

5 ns/div. 5 V/div (50 mV/div × 40 dB):

