



# 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: AVR-E3A-B-P  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12826  
Date: September 26, 2017

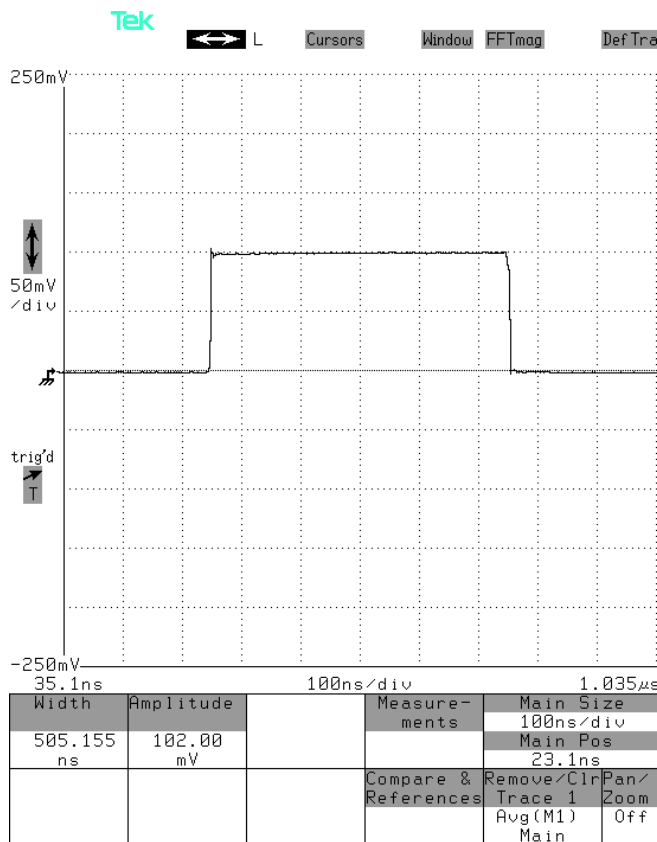
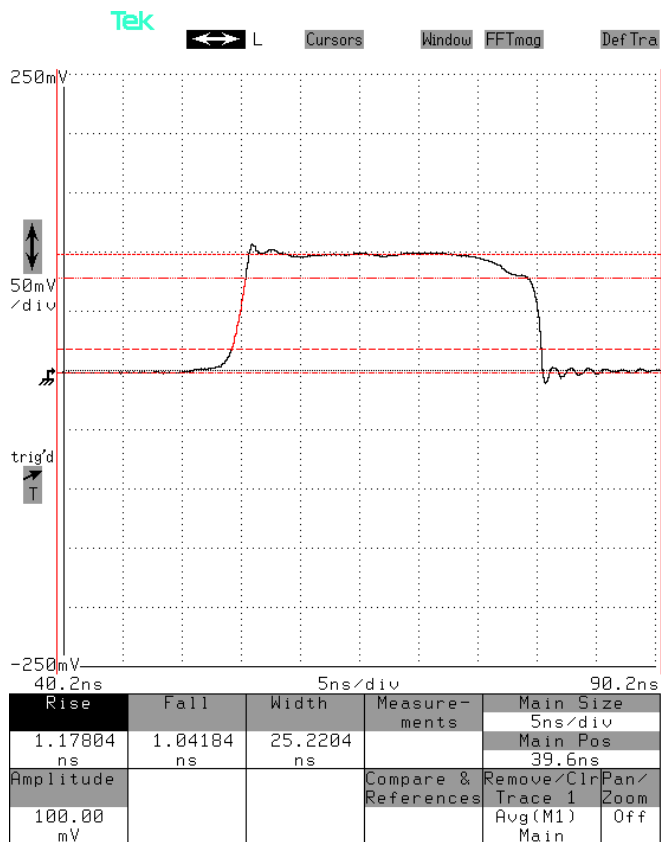
Output Amplitude: up to +100V, to 50Ω  
Pulse Width (FWHM): 10 – 500 ns  
Rise Time (20%-80%): ≤ 1.2 ns  
Fall Time (80%-20%): ≤ 2 ns (3 ns if PW<15ns)  
PRF: 1 Hz – 200 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

### Test Waveforms

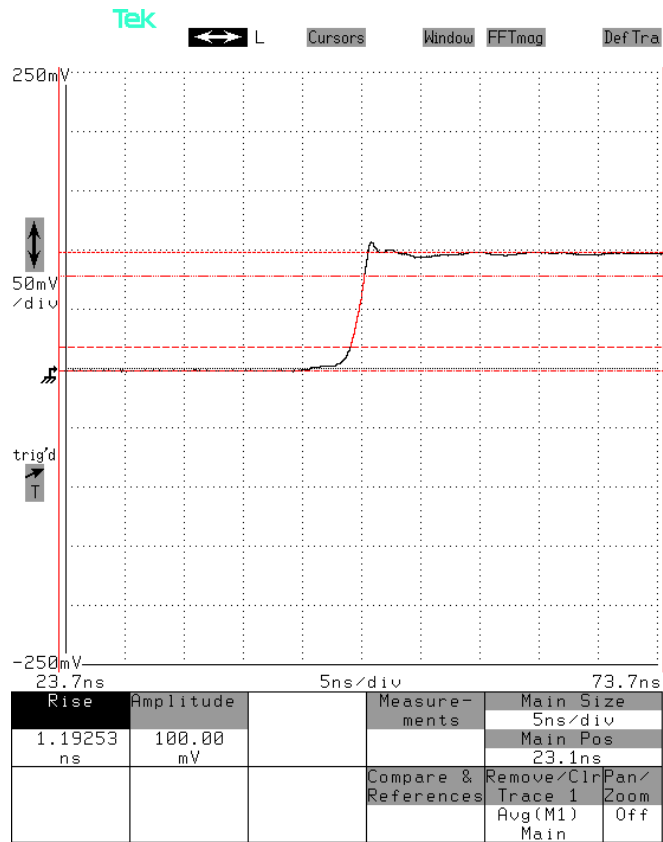
Full pulse at 200 kHz, 25 ns, +100V,  
5 ns/div. 50 V/div (50 mV/div × 60 dB):

Full pulse at 10 kHz, 500 ns, +100V,  
100 ns/div. 50 V/div (50 mV/div × 60 dB):



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

5 ns/div. 50 V/div (50 mV/div × 60 dB):



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

5 ns/div. 50 V/div (50 mV/div × 60 dB):

