



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVR-E3A-B-PN-TNT  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12742  
Date: December 2, 2011

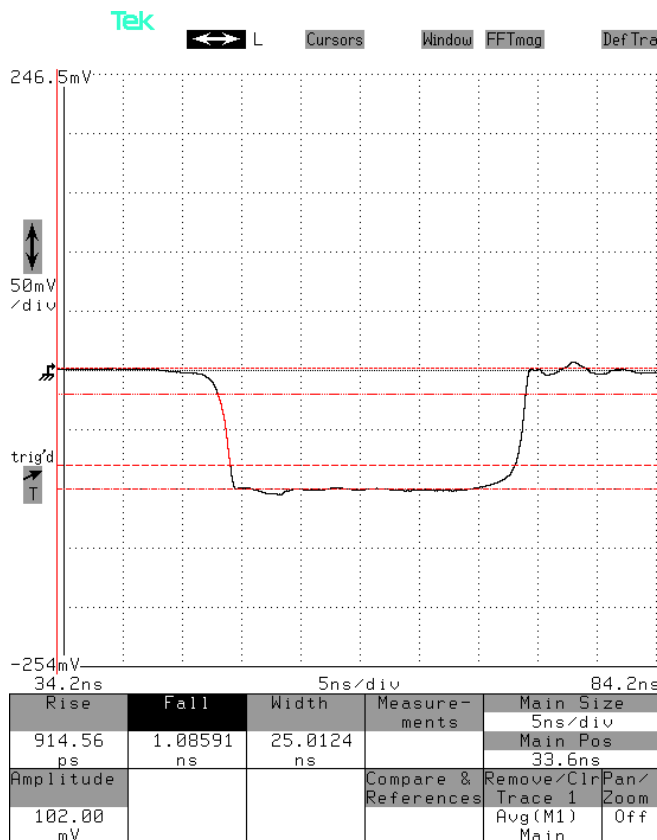
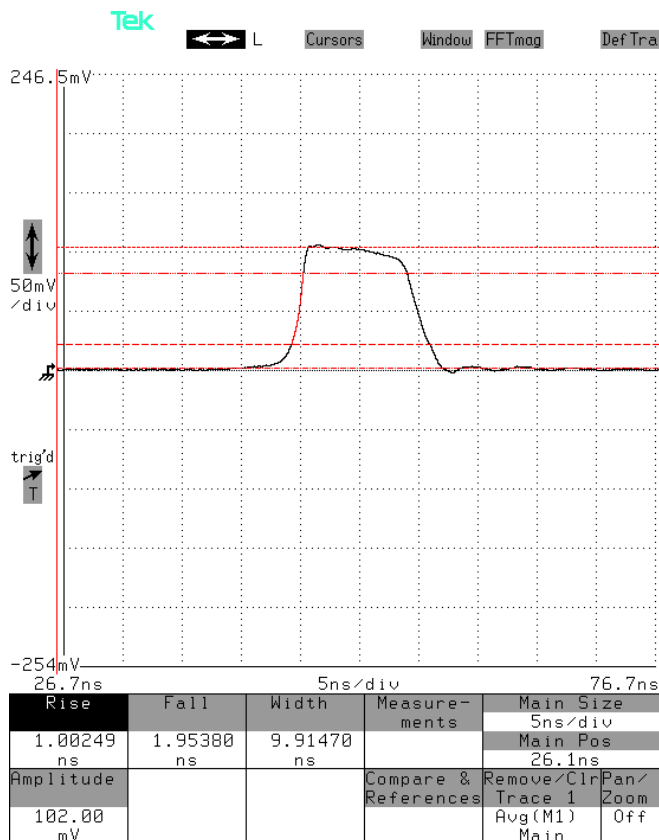
Output Amplitude: up to  $\pm 100V$ , to  $50\Omega$   
Pulse Width (FWHM): 10 – 500 ns  
Rise Time (20%-80%):  $\leq 1.2$  ns  
Fall Time (80%-20%):  $\leq 2$  ns (3 ns if  $PW < 15ns$ )  
PRF: 1 Hz – 200 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

### Test Waveforms

Full pulse at 200 kHz, 10 ns, +100V,  
5 ns/div. 50 V/div (50 mV  $\times$  60 dB):

Full pulse at 200 kHz, 25 ns, -100V,  
5 ns/div. 50 V/div (50 mV  $\times$  60 dB):



Full pulse at 40 kHz, 500 ns, +100V,

100 ns/div. 50 V/div (50 mV × 60 dB):

