



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H5

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## PERFORMANCE CHECKSHEET

Model: AVR-E4-C-EA-EW-PN  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12903  
Date: September 10, 2012

Output Amplitude: up to  $\pm 100V$ , to  $50\Omega$   
Pulse Width (FWHM): 1 – 5 ns  
Rise Time (20%-80%):  $\leq 400$  ps  
Fall Time (80%-20%):  $\leq 600$  ps  
PRF: 10 Hz - 100 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

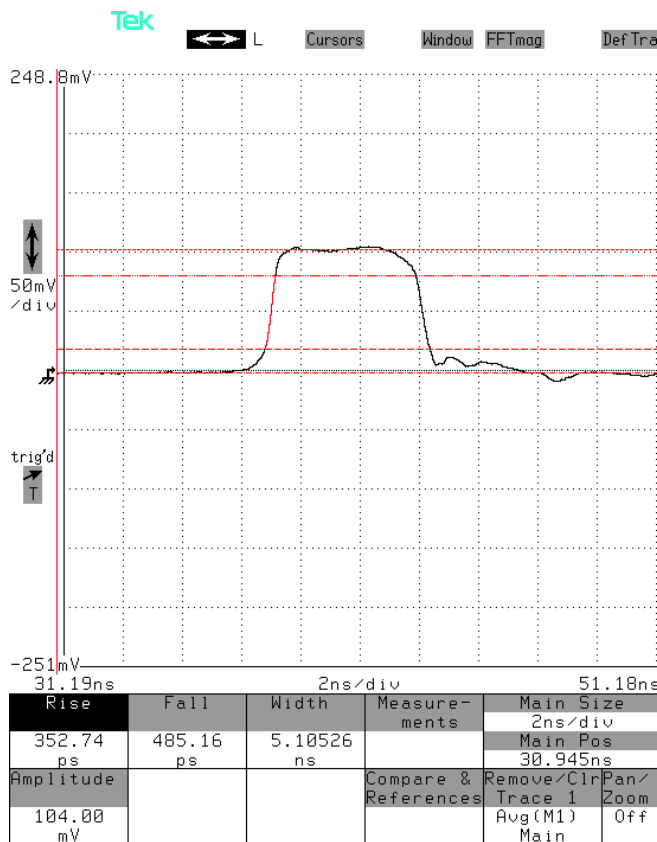
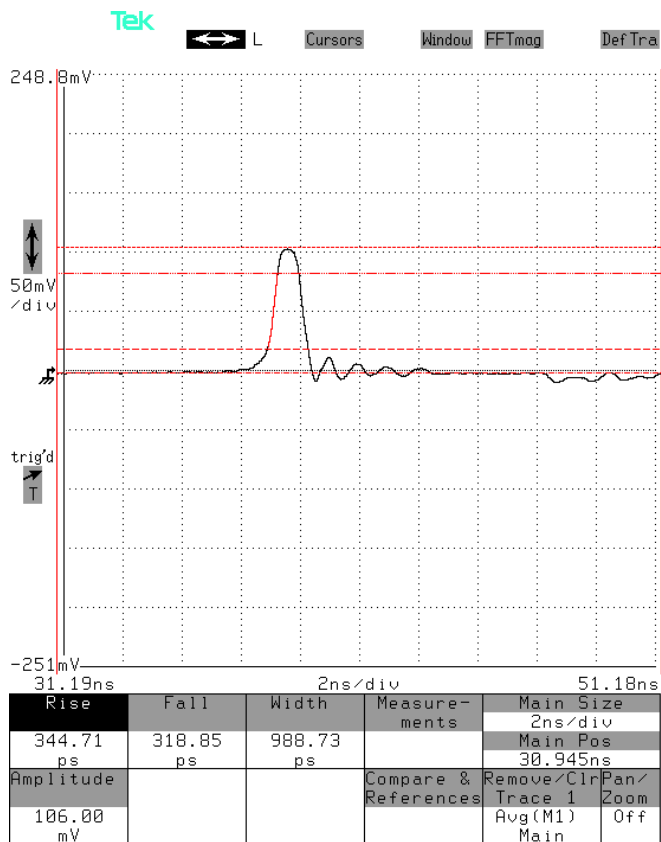
### Test Waveforms

100 kHz, 1 ns, +100V,

2 ns/div. 50 V/div (50 mV  $\times$  60 dB):

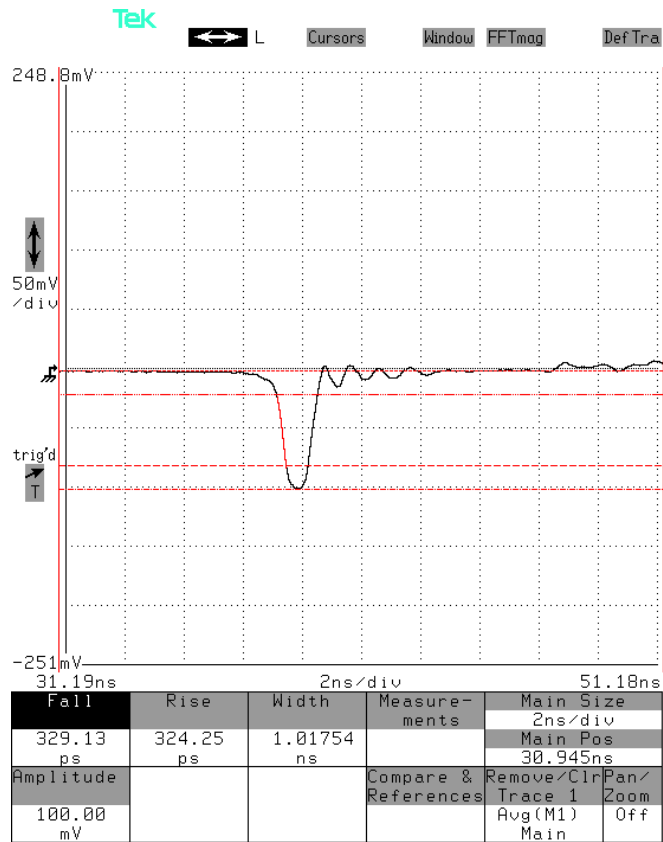
100 kHz, 5 ns, +100V,

2 ns/div. 50 V/div (50 mV  $\times$  60 dB):



100 kHz, 1 ns, -100V,

2 ns/div. 50 V/div (50 mV × 60 dB):



100 kHz, 5 ns, -100V,

2 ns/div. 50 V/div (50 mV × 60 dB):

