



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVN-3-C-P-PN-AK8-AT  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12393  
Date: February 23, 2010

Max. Output Amplitude: varies with PRF  
Pulse Width (FWHM): varies with PRF  
Rise Time (20%-80%):  $\leq 150$  ps  
Fall Time (80%-20%):  $\leq 150$  ps  
PRF: 25 - 250 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

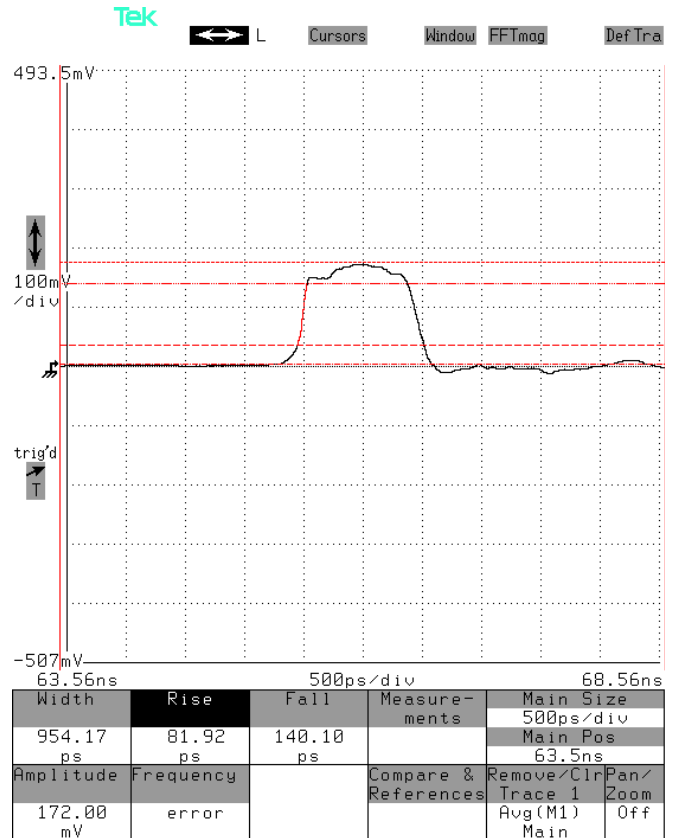
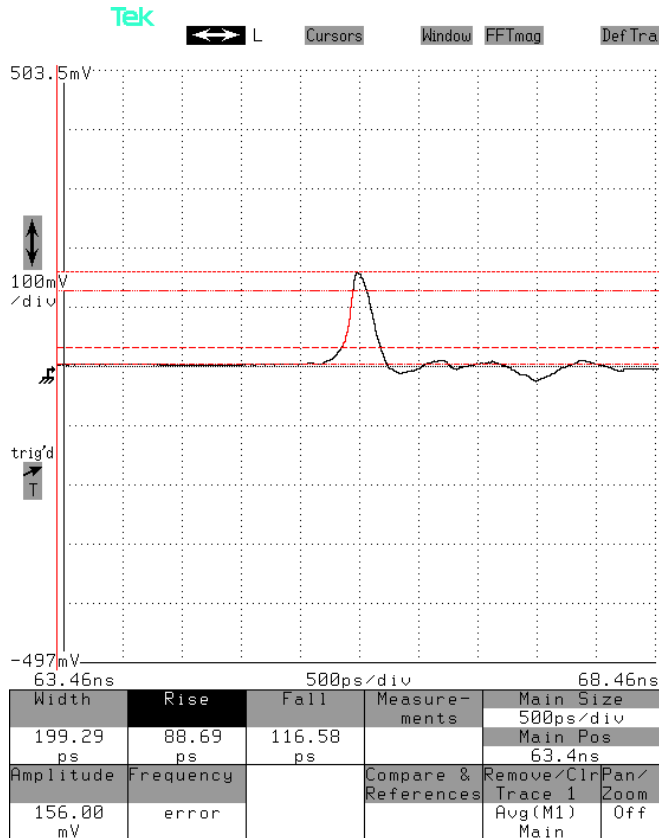
### Test Waveforms

50 MHz, > 15V, < 300 ps,

50 MHz, > 15V, ~ 1 ns,

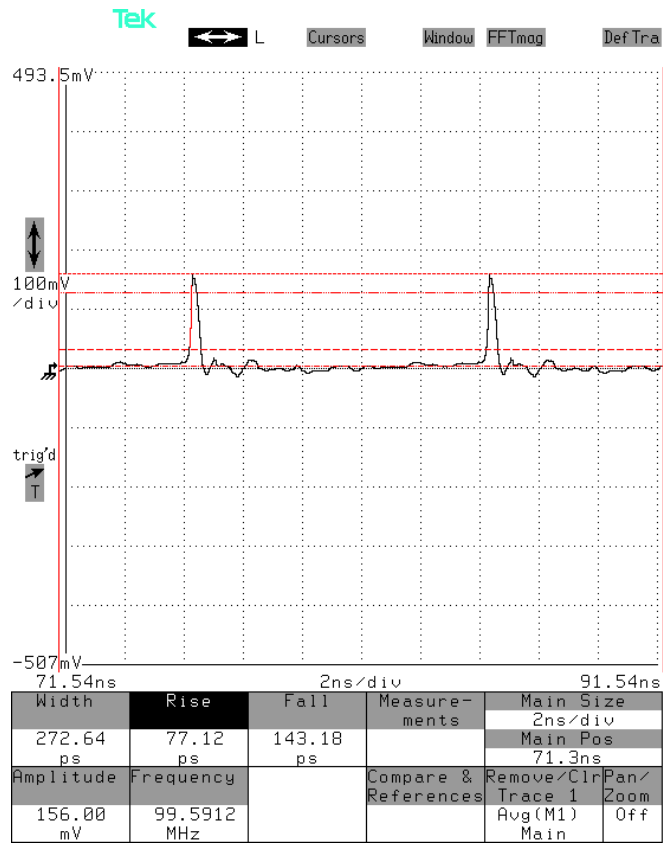
500 ps/div. 10 V/div (100 mV × 40 dB):

500 ps/div. 10 V/div (100 mV × 40 dB):



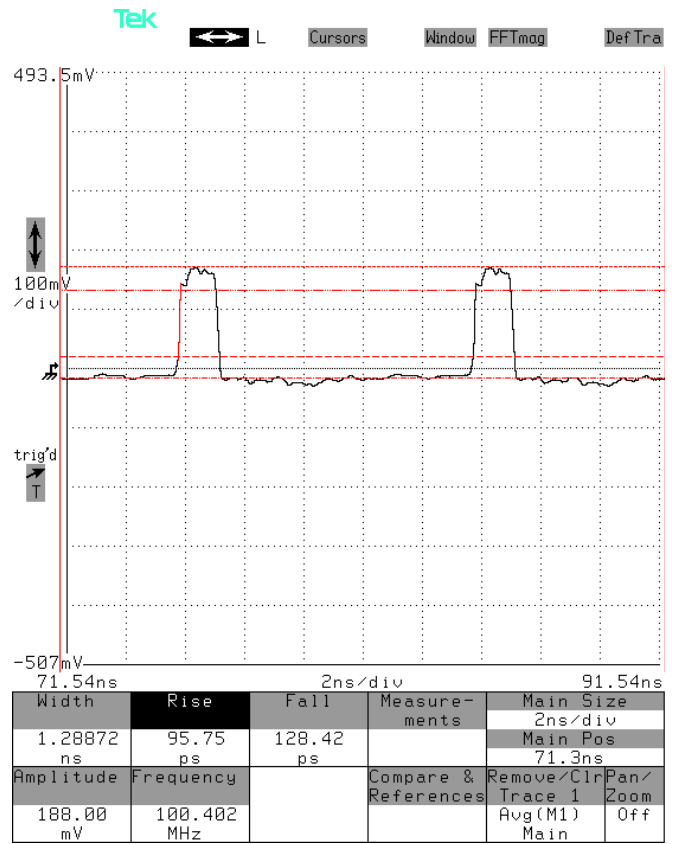
100 MHz, > 15V, < 300 ps,

2 ns/div. 10 V/div (100 mV × 40 dB):



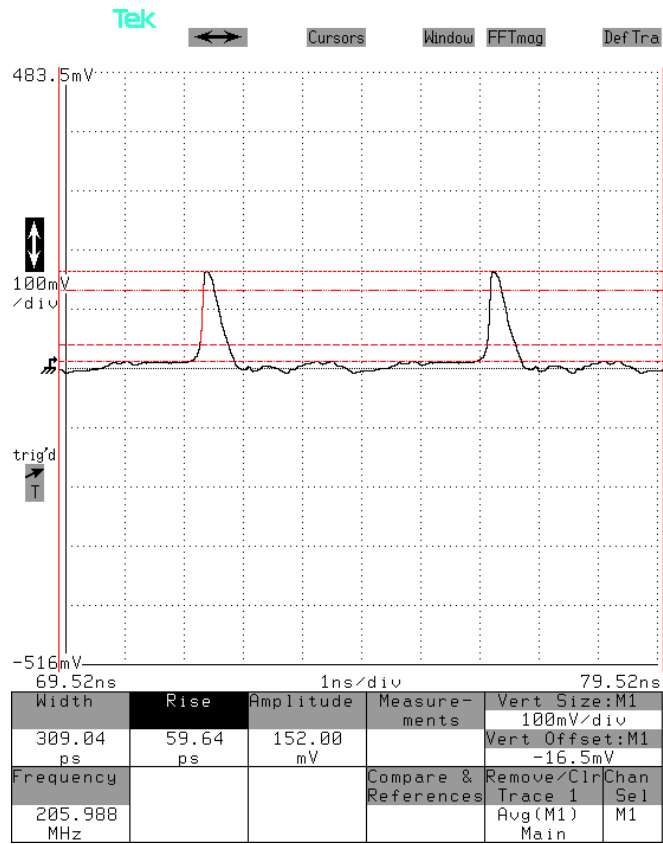
100 MHz, > 15V, > 1 ns,

2 ns/div. 10 V/div (100 mV × 40 dB):



200 MHz, 15V, 300 ps,

1 ns/div. 10 V/div (100 mV × 40 dB):



200 MHz, > 10V, > 1 ns,

1 ns/div. 10 V/div (100 mV × 40 dB):

