



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVP-3SA-C-AK1-AK8-AT-PN-M  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12401  
Date: March 9, 2010

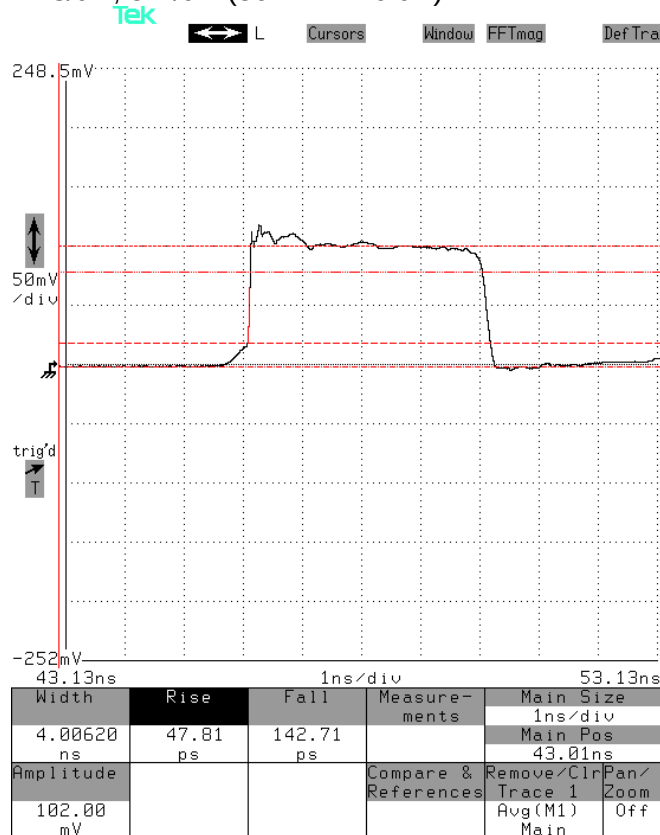
Output Amplitude: 0 to +10V, to 50Ω  
Pulse Width (FWHM): 0.2 – 4 ns  
Rise Time (20%-80%): ≤ 50 ps  
Fall Time (80%-20%): ≤ 250 ps  
PRF: 100 Hz - 1 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

### Test Waveforms

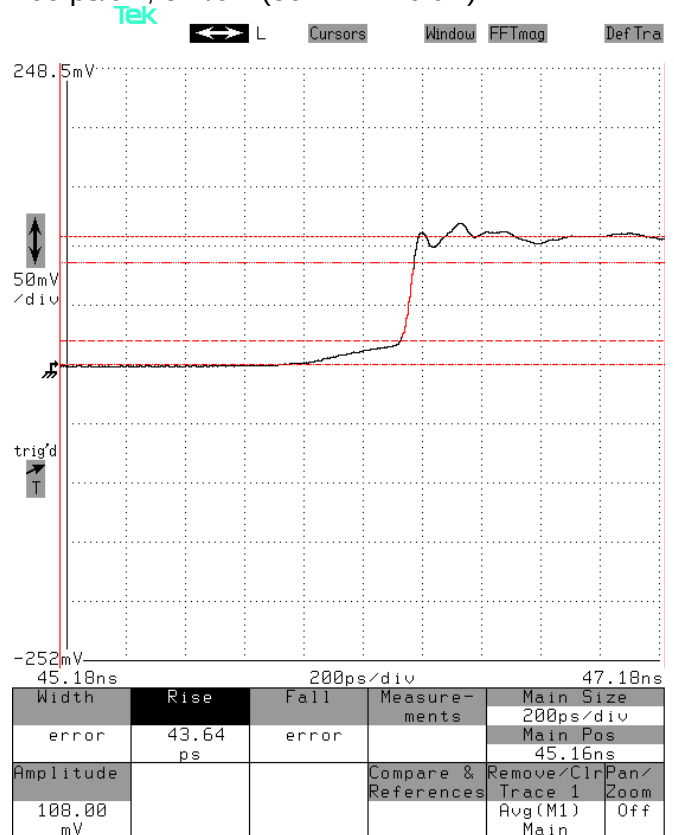
4 ns, > +10V, 100 kHz,

1 ns/div, 5 V/div (50 mV × 40 dB):



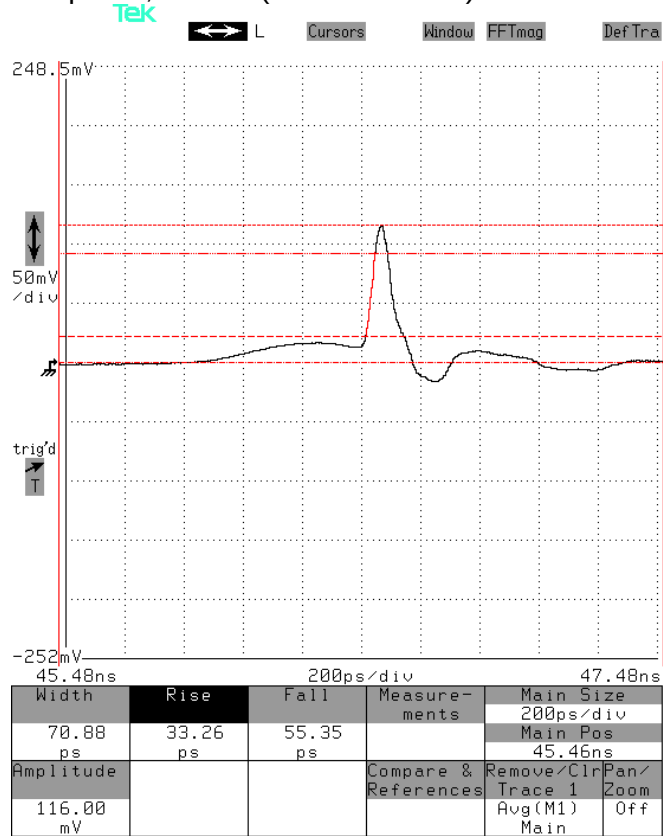
same conditions, zoomed to show rise time,

200 ps/div, 5 V/div (50 mV × 40 dB):



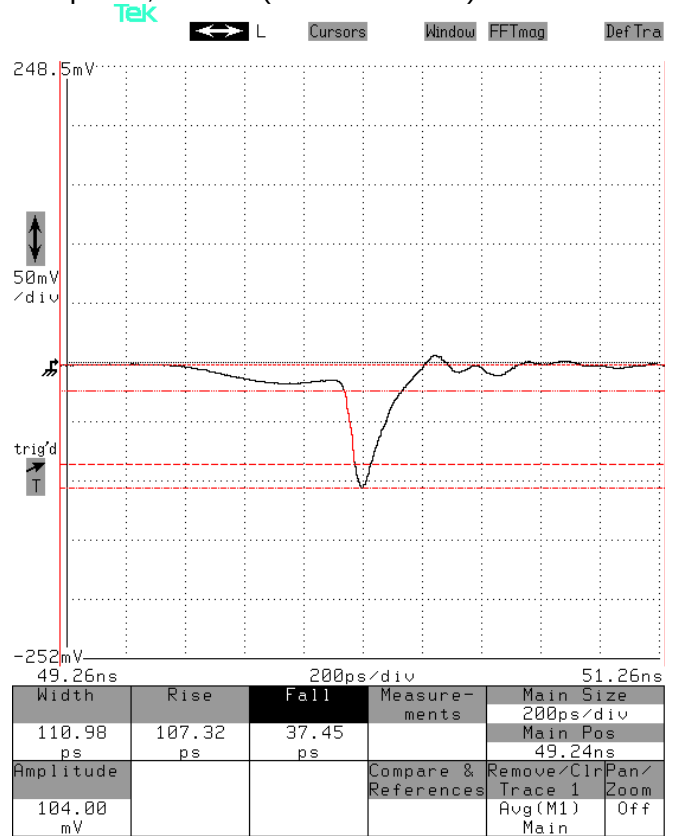
< 0.2 ns, > +10V, 100 kHz,

200 ps/div, 5 V/div (50 mV × 40 dB):



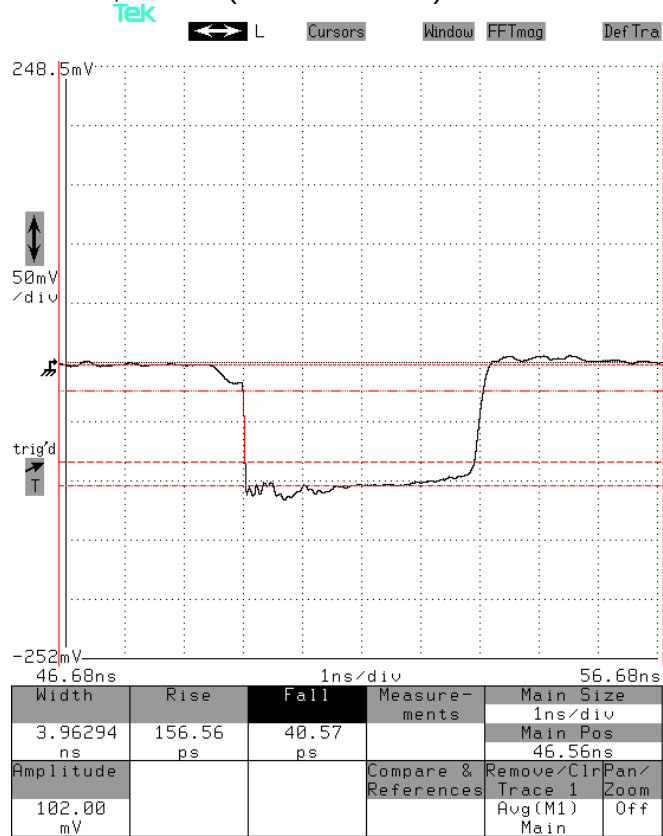
< 0.2 ns, > -10V, 100 kHz,

200 ps/div, 5 V/div (50 mV × 40 dB):



4 ns, > -10V, 100 kHz,

1 ns/div, 5 V/div (50 mV × 40 dB):



same conditions, zoomed to show rise time,

200 ps/div, 5 V/div (50 mV × 40 dB):

