



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVN-1-C-AC03-N-PN  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12523  
Date: November 2, 2010

Max. Output Amplitude: -5V  
Pulse Width (FWHM): 0.2 – 1 ns  
Rise Time (20%-80%): ≤ 100 ps  
Fall Time (80%-20%): ≤ 200 ps  
PRF: 40 - 200 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

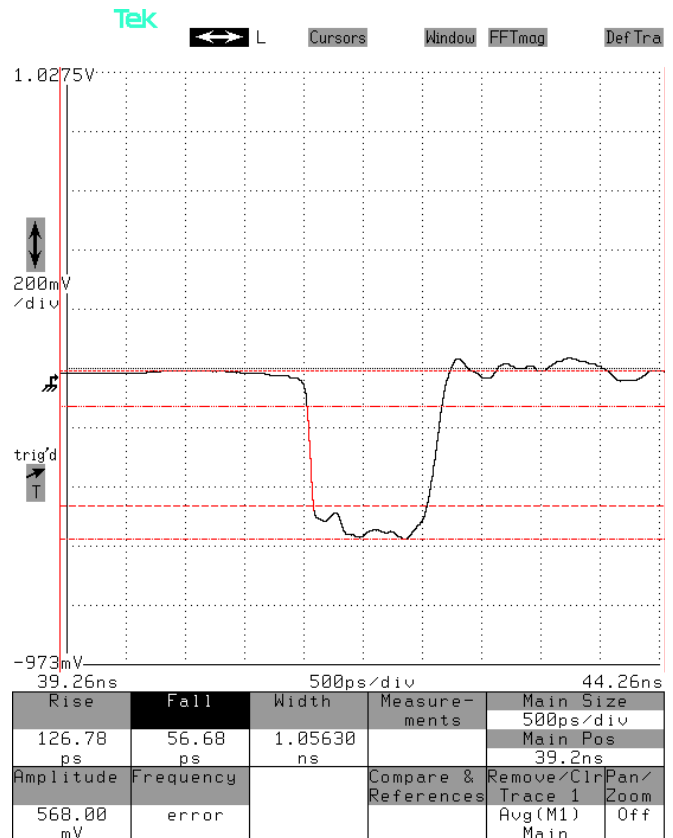
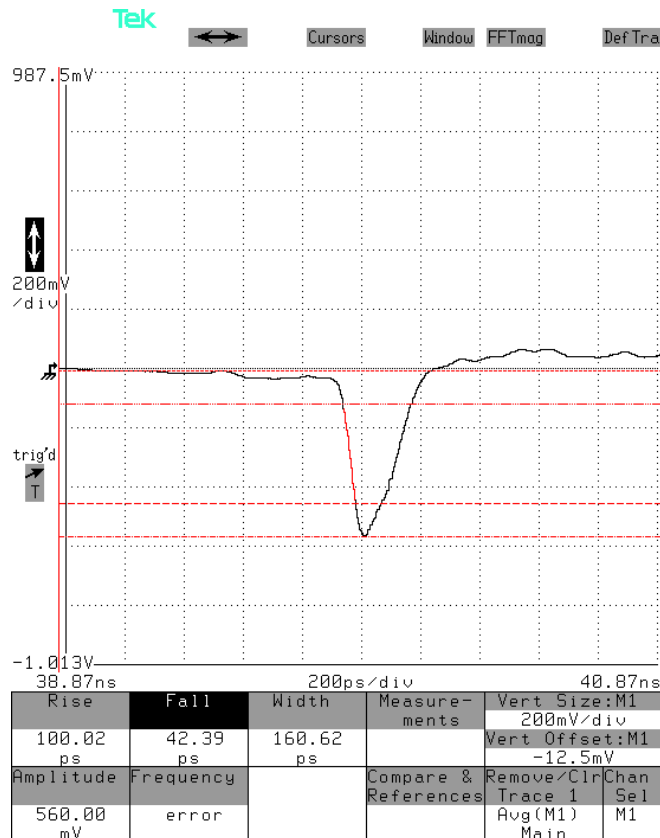
### Test Waveforms

At 40 MHz and < 0.2 ns, > -5V:

At 40 MHz and > 1 ns, > -5V:

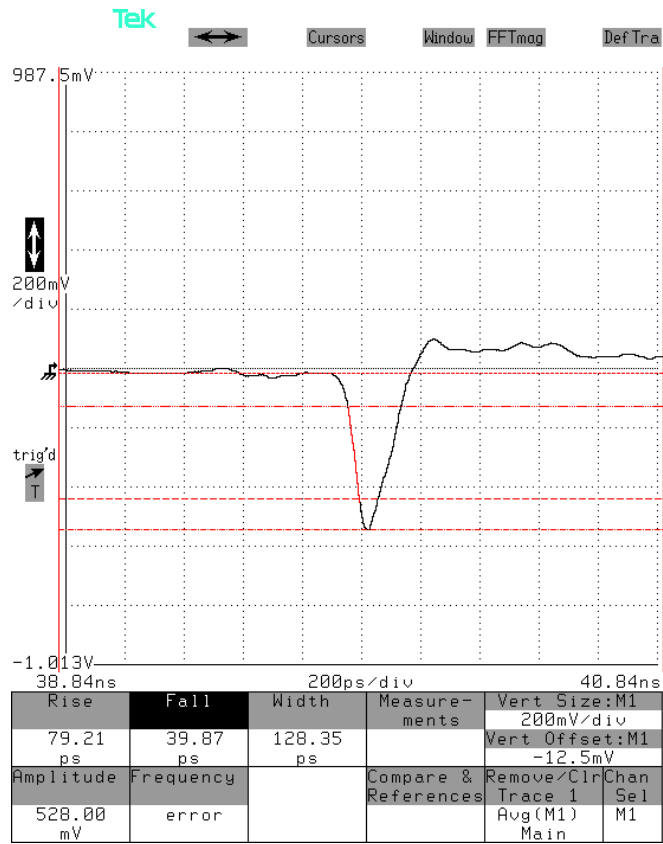
200 ps/div. 2 V/div (200 mV × 20 dB):

500 ps/div. 2 V/div (200 mV × 20 dB):



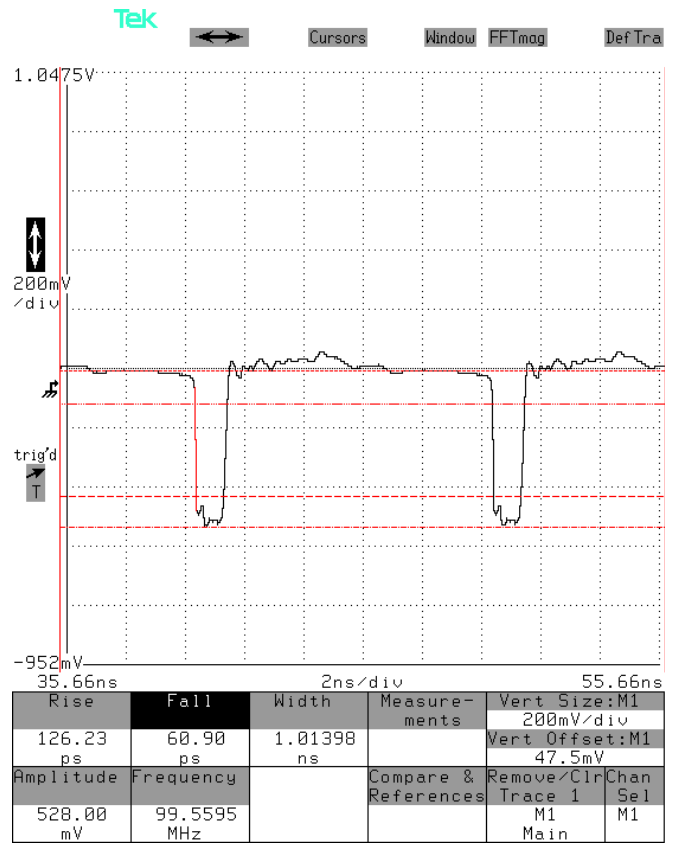
At 100 MHz and < 0.2 ns, > -5V:

200 ps/div. 2 V/div (200 mV × 20 dB):



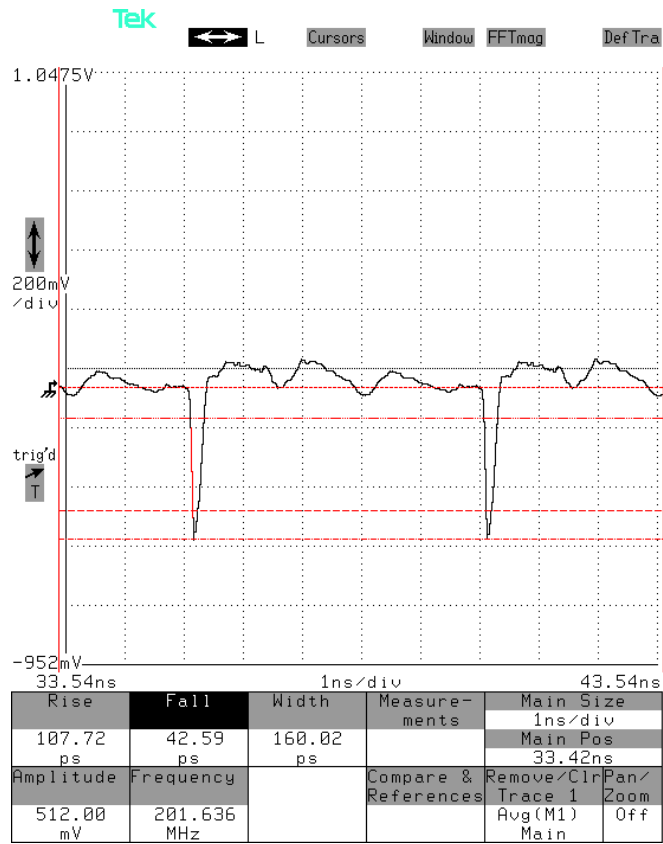
At 100 MHz and > 1 ns, > -5V:

2 ns/div. 2 V/div (200 mV × 20 dB):



At 200 MHz and < 0.2 ns, > -5V:

1 ns/div. 2 V/div (200 mV × 20 dB):



At 200 MHz and > 1 ns, > -5V:

1 ns/div. 2 V/div (200 mV × 20 dB):

