



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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☒ BOX 5120, LCD MERIVALE
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CANADA K2C 3H5

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PERFORMANCE CHECKSHEET

Model: AVPP-2A-B-PN-AK1-AK8-AC17-R5-3YW
Type: Ultra-High-Speed Pulse Generator
S.N.: 13692
Date: May 3, 2018

Output Amplitude: up to +/-20V, to 50Ω
Pulse Width (FWHM): < 0.6 ns to 1 us
Rise Time (20%-80%): ≤ 200 ps
Fall Time (80%-20%): ≤ 200 ps / 500 ps
PRF: 1 Hz - 100 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

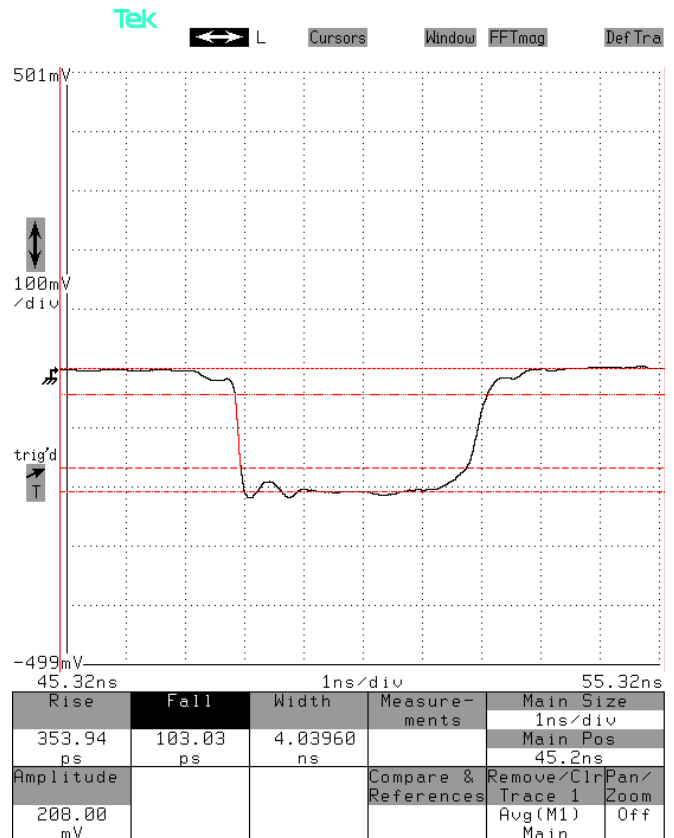
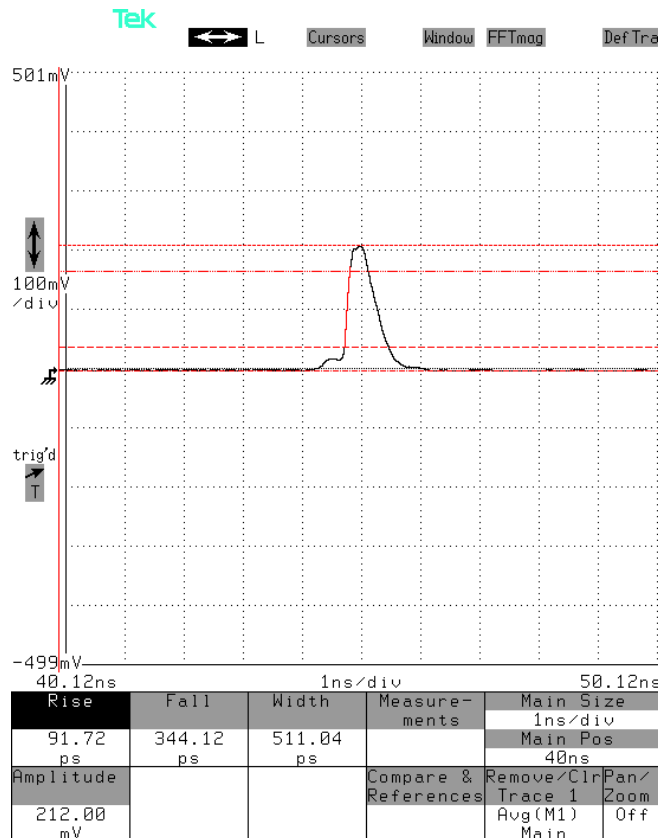
Test Waveforms

100 kHz, < 0.6 ns, > +20V,

100 kHz, 4 ns, > -20V,

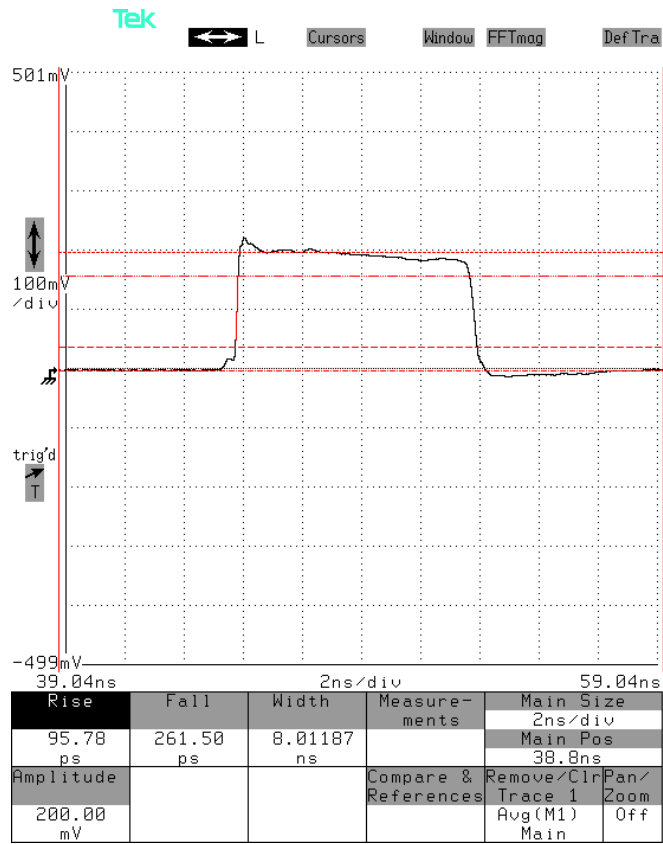
1 ns/div. 10 V/div (100 mV/div × 40 dB):

1 ns/div. 10 V/div (100 mV/div × 40 dB):



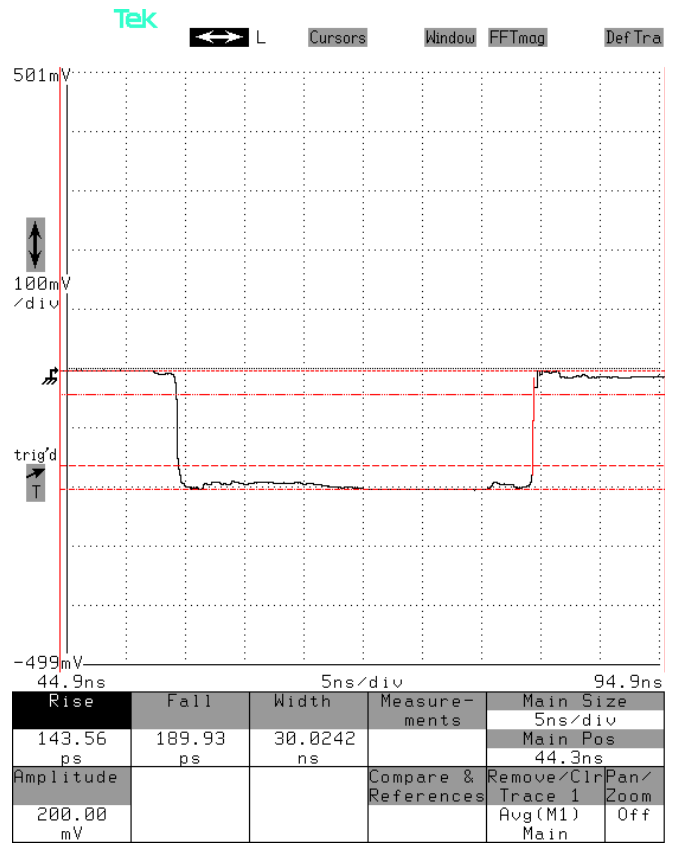
100 kHz, 8 ns, +20V,

2 ns/div. 10 V/div (100 mV/div × 40 dB):

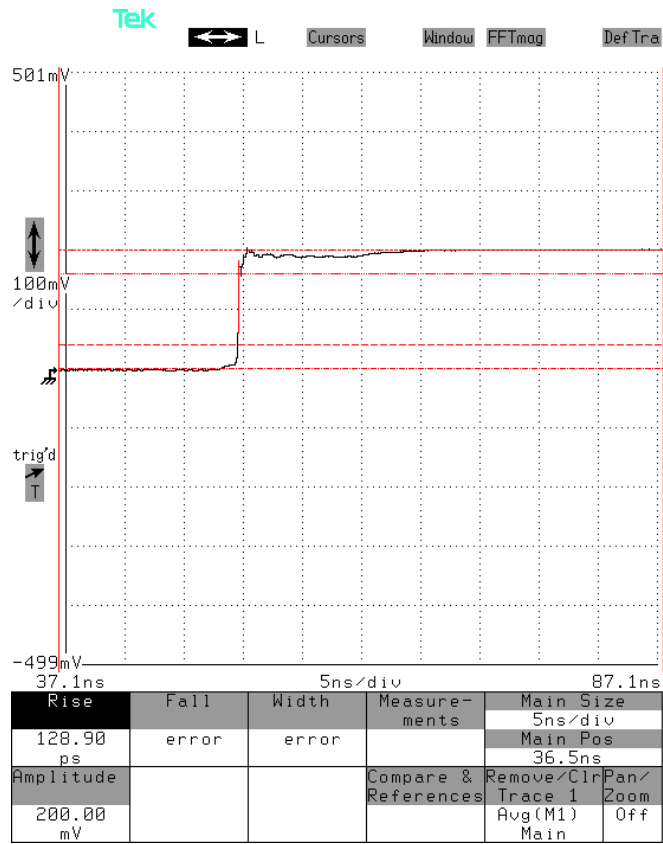


10 kHz, 30 ns, -20V,

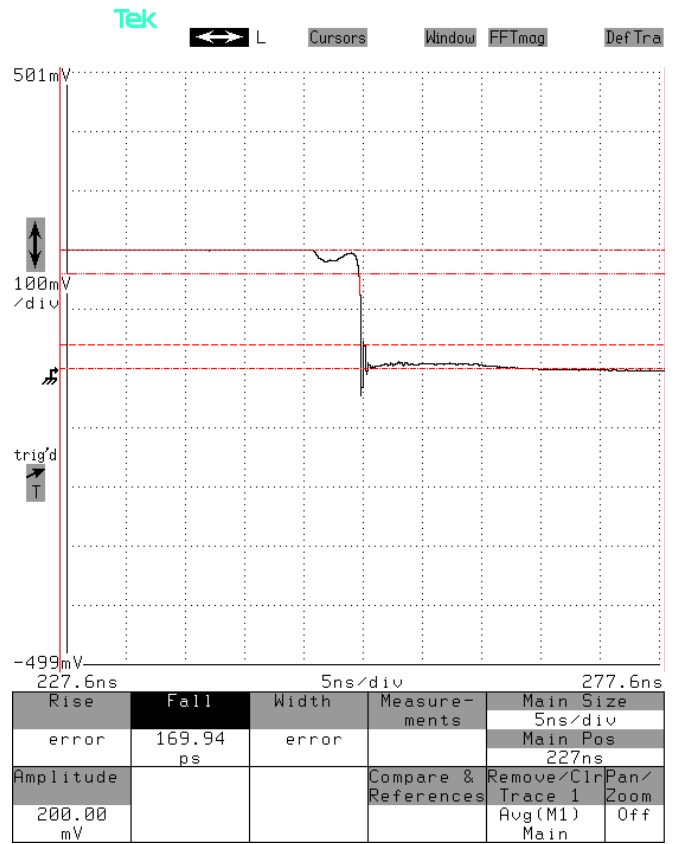
5 ns/div. 10 V/div (100 mV/div × 40 dB):



Leading edge at 10 kHz, 200 ns, +20V,
5 ns/div. 10 V/div (100 mV/div × 40 dB):



Trailing edge at 10 kHz, 200 ns, +20V,
5 ns/div. 10 V/div (100 mV/div × 40 dB):



10 kHz, 1 us, > -20V,

200 ns/div. 10 V/div (100 mV/div × 40 dB):

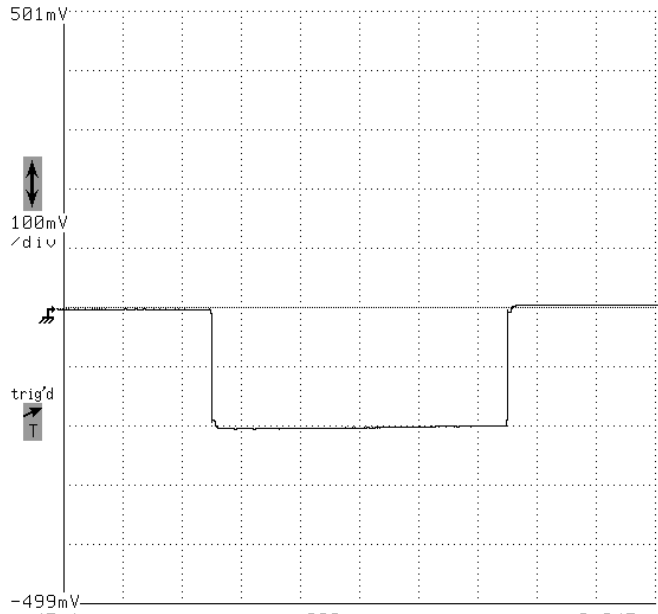
Tek

← L

Cursors

Window FFTMag

Def Tra



47.1ns		200ns/div		2.047μs	
Width		Measurements	Main Size		
999.928 ns			200ns/div	Main Pos	
			23.1ns		
		Compare & References	Remove/Clear Trace 1	Pan/Zoom	
			Avg(M1)	Off	
			Main		