



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVIR-4D-B-PN-EA-M-AC22
Type: Ultra-High-Speed Pulse Generator
S.N.: 12589
Date: February 16, 2011

Output Amplitude: to $\pm 200V$, to 50Ω
Pulse Width (FWHM): 4 ns – 1 us
Rise Time (20%-80%): ≤ 2 ns
Fall Time (80%-20%): ≤ 2 ns
PRF: 1 Hz - 20 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

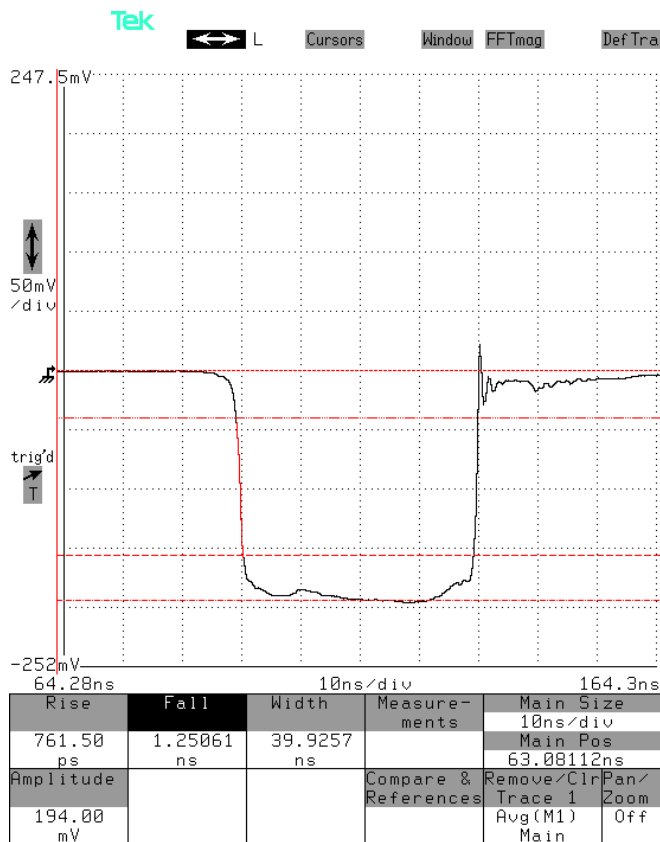
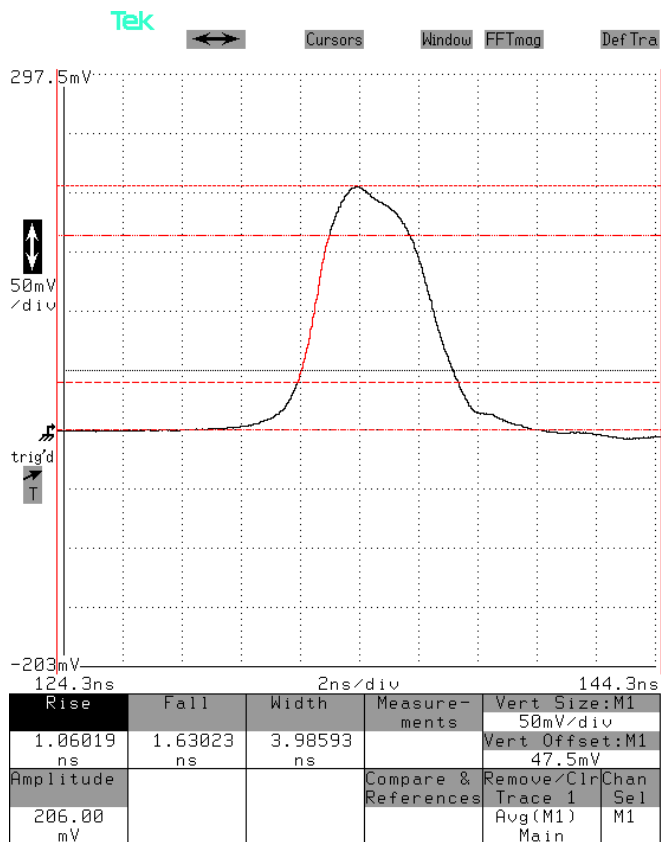
Test Waveforms

Full pulse at 10 kHz, 4 ns, +200V,

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

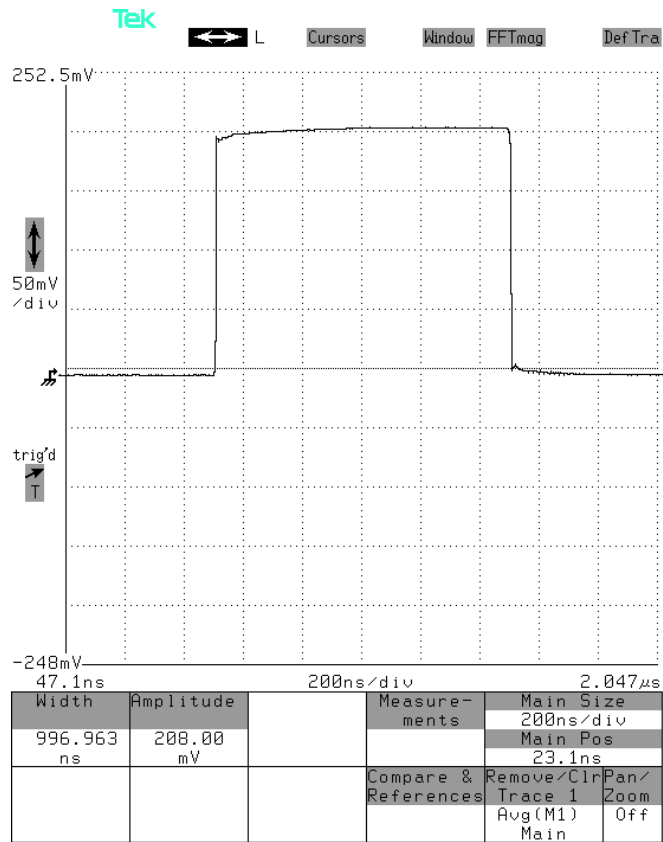
Full pulse at 10 kHz, 40 ns, -200V,

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



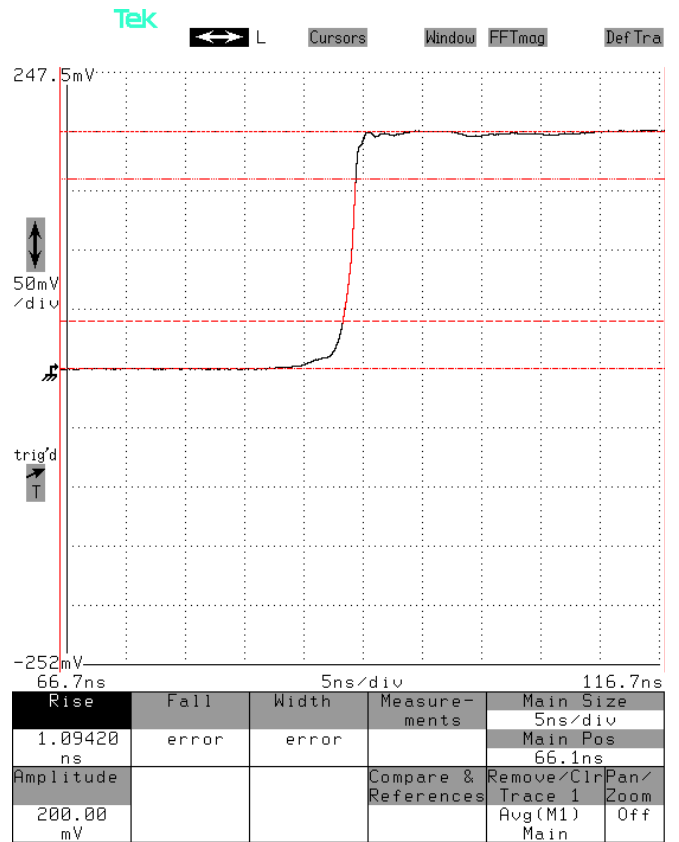
Full pulse at 2 kHz, 1 us, +200V,

200 ns/div. 50 V/div (50 mV × 60 dB):



Rising edge at 2 kHz, 1 us, +200V,

5 ns/div. 50 V/div (50 mV × 60 dB):



Falling edge at 2 kHz, 1 us, +200V,

5 ns/div. 50 V/div (50 mV × 60 dB):

