



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVOZ-DF1-B-P  
Type: High Current Pulse Generator  
S.N.: 12877  
Date: June 29, 2012

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

Basic specifications: →

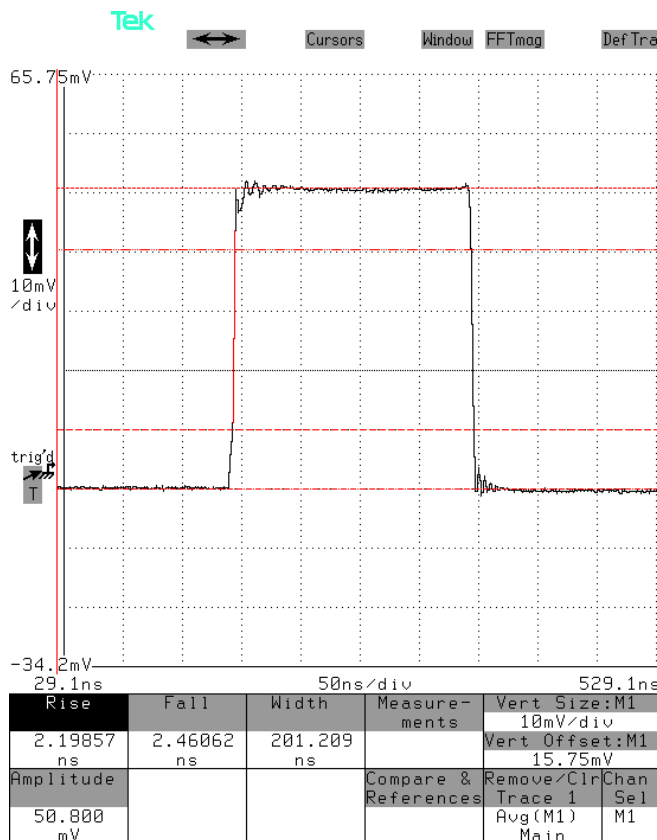
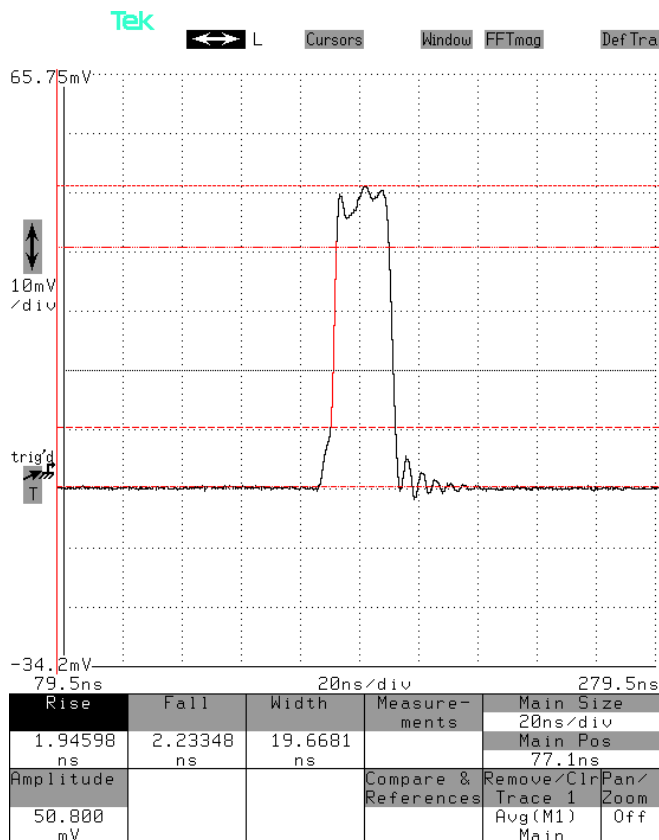
### Test Waveforms

10 kHz, 20 ns, +50V, into five 50Ω loads,

10 kHz, 200 ns, +50V, into five 50Ω loads,

20 ns/div. 10 V/div (10 mV × 60 dB):

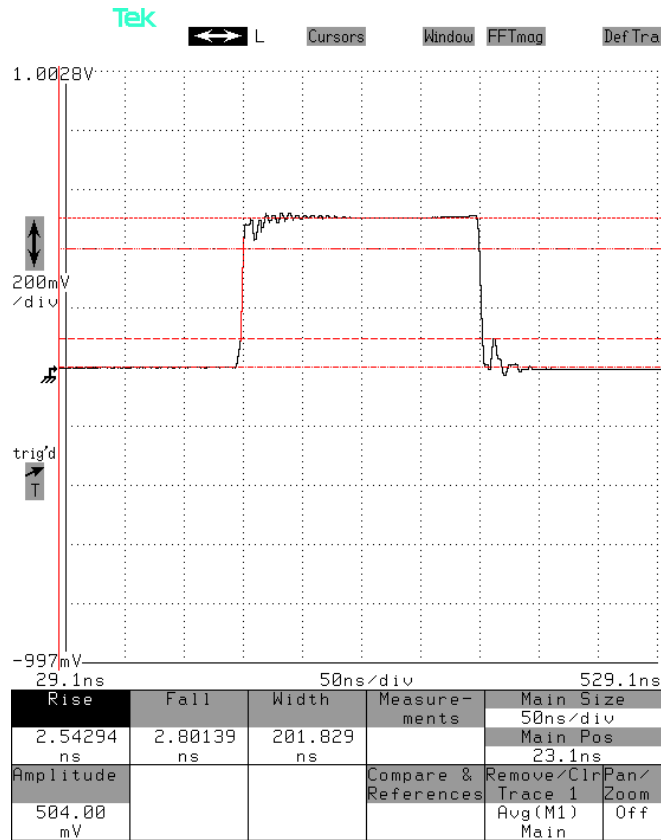
50 ns/div. 10 V/div (10 mV × 60 dB):



10 kHz, 200 ns, +50V, into the AVX-RL2-10 output module, with a Tektronix CT2 current probe attached, and a 0Ω load. The output of the CT2 is shown.

50 ns/div.

2 A/div (200 mV/div × 20 dB × 1A/V) = 2 A/div):



The inductance added by the length of wiring through the CT2 probe causes some small reflections on the waveforms.