



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AV-1011B1-B-KAUSTA
Type: High-Speed Pulse Generator
S.N.: 13132
Date: March 19, 2014

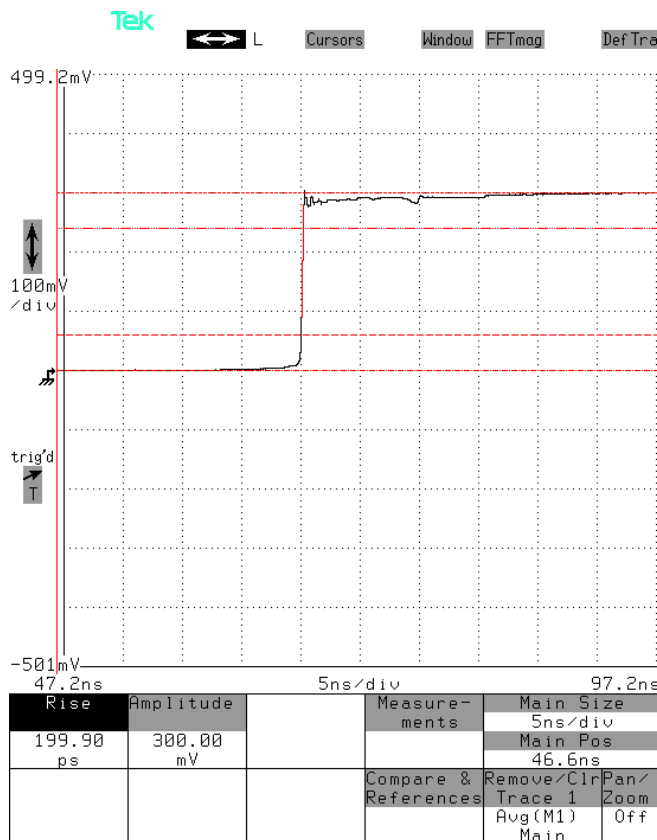
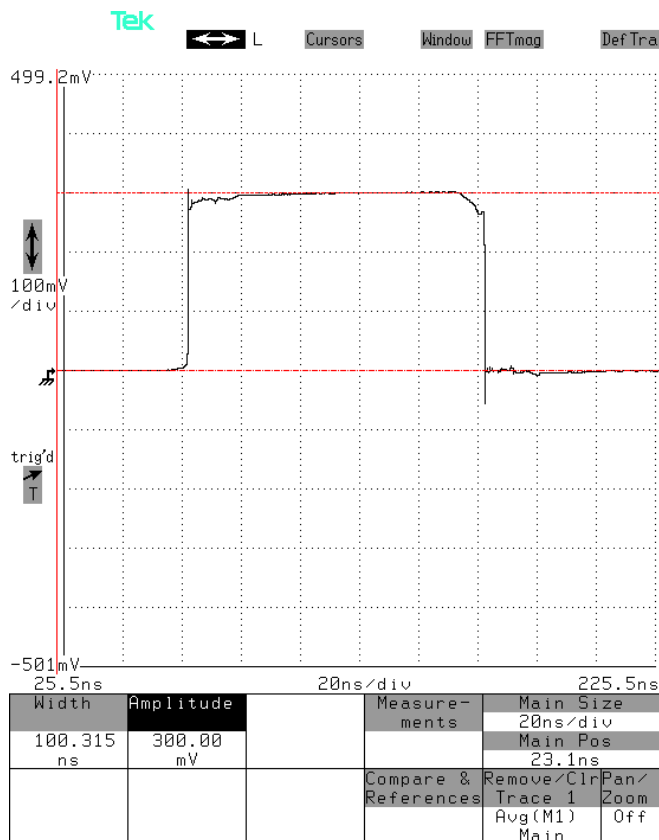
Output Amplitude: $\leq \pm 3$ to ± 30 V, to 50 Ω
Pulse Width (FWHM): 100 ns – 10 ms
Rise Time (20%-80%): ≤ 0.5 ns
Fall Time (80%-20%): ≤ 0.5 ns
PRF: 1 Hz - 100 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

Test Waveforms

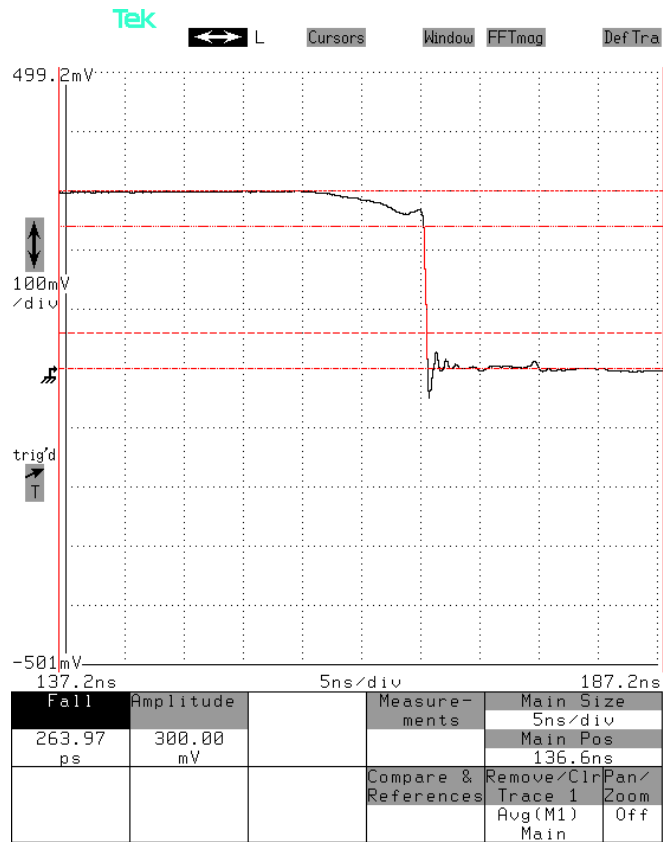
100 kHz, +30V, 100 ns, to 50 Ω , full pulse,
20 ns/div. 10 V/div (100 mV/div \times 40 dB):

100 kHz, +30V, 100 ns, to 50 Ω , leading edge,
5 ns/div. 10 V/div (100 mV/div \times 40 dB):



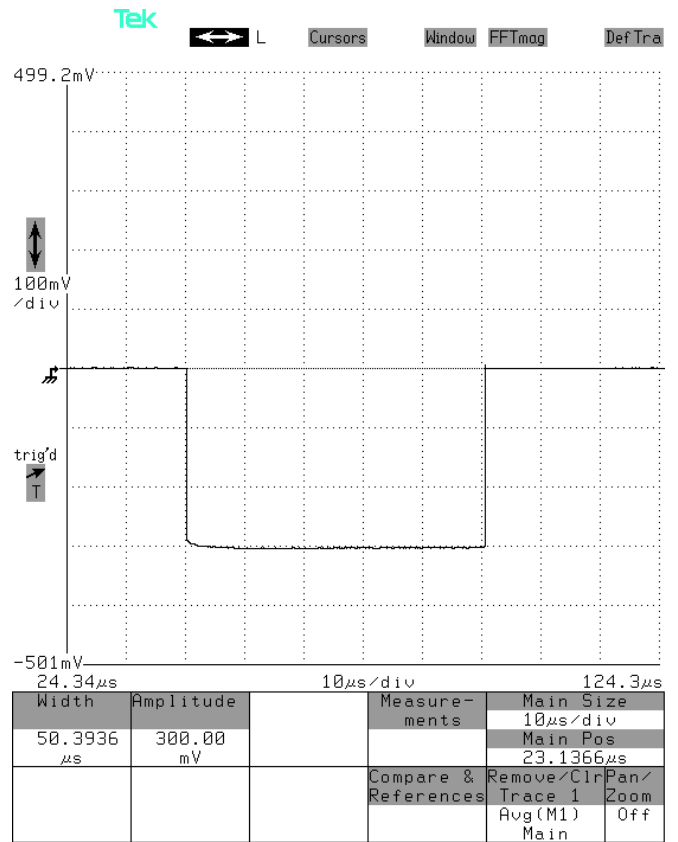
100 kHz, +30V, 100 ns, to 50Ω, trailing edge,

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



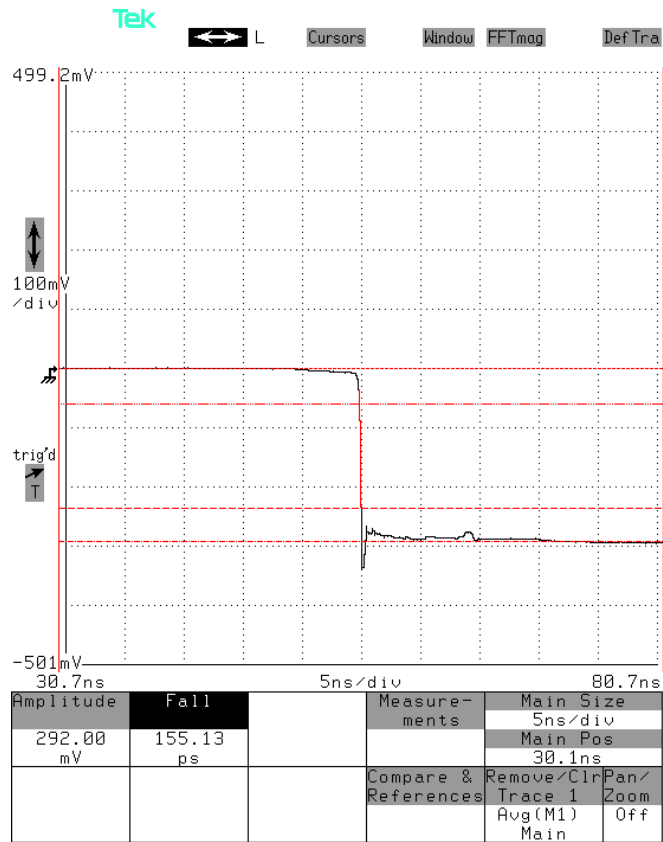
1 kHz, -30V, 50 us, to 50Ω, full pulse,

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



1 kHz, -30V, 50 us, to 50Ω, leading edge,

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



5 Hz, +30V, 10 ms, to 50Ω, full pulse,

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

