



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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BOX 5120, LCD MERIVALE
OTTAWA, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AVR-D2-B
Type: MIL-S-19500 Pulse Generator
S.N.: 14021
Date: September 11, 2020

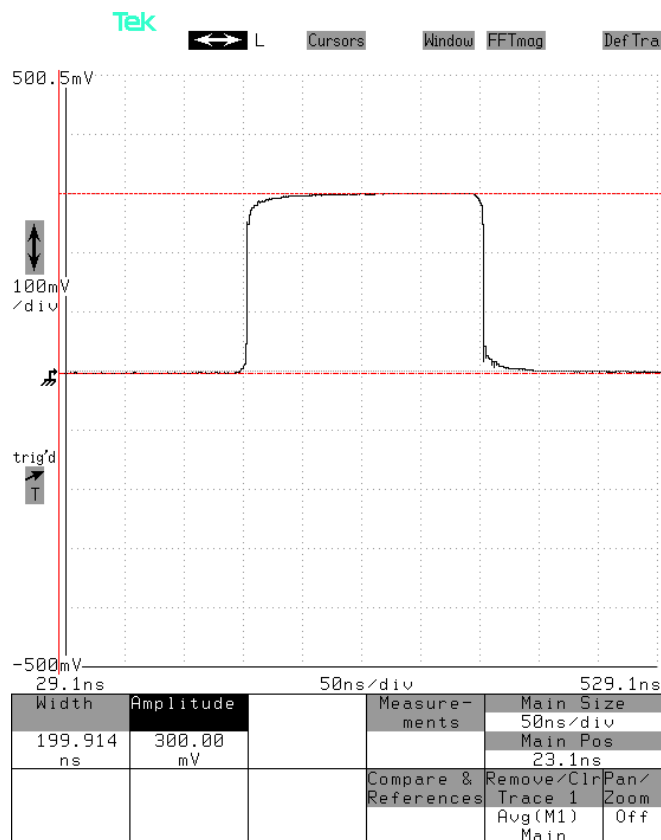
Output Amplitude: up to $\pm 30V$, to 50Ω
Pulse Width (FWHM): 15 ns , 200 ns – 20 us
Rise Time (10%-90%): ≤ 1.5 ns
Fall Time (90%-10%): CH1 ≤ 2 ns, CH2 ≤ 2.5 ns
PRF: 1 Hz – 50 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

Test Waveforms

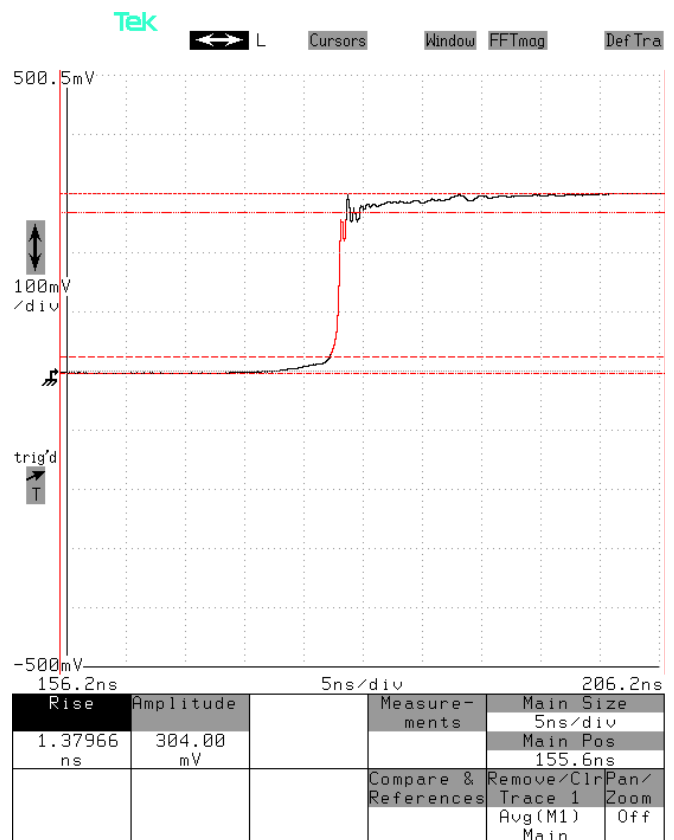
Full pulse at 10 kHz, 200 ns, +30V,

50 ns/div. 10 V/div (100 mV/div \times 40 dB):

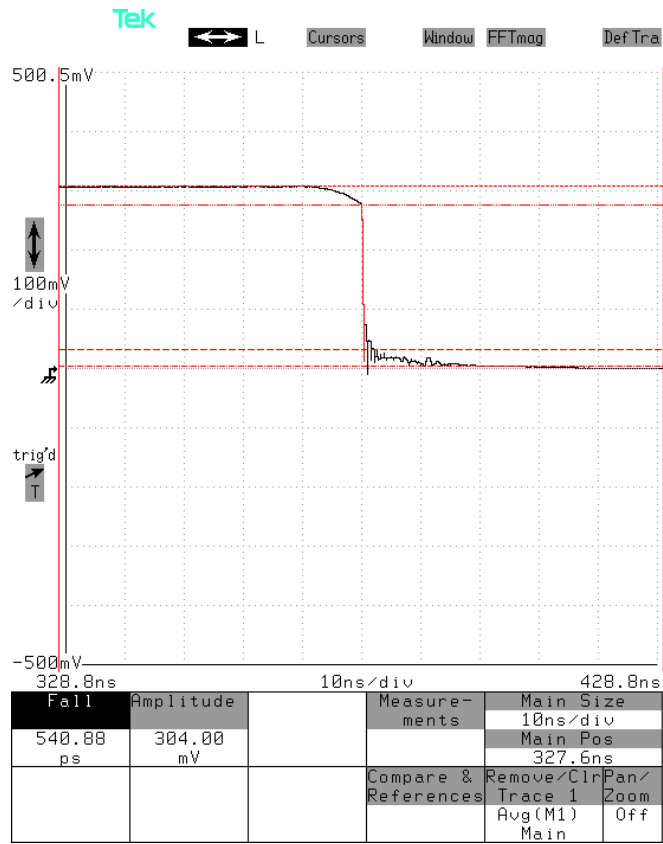


Leading edge at 10 kHz, 200 ns, +30V,

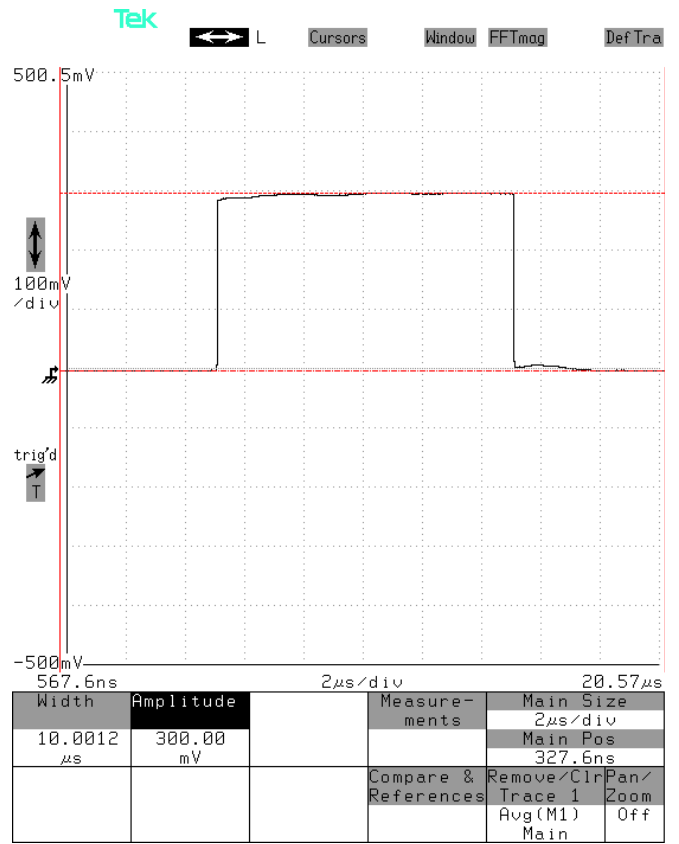
5 ns/div. 10 V/div (100 mV/div \times 40 dB):



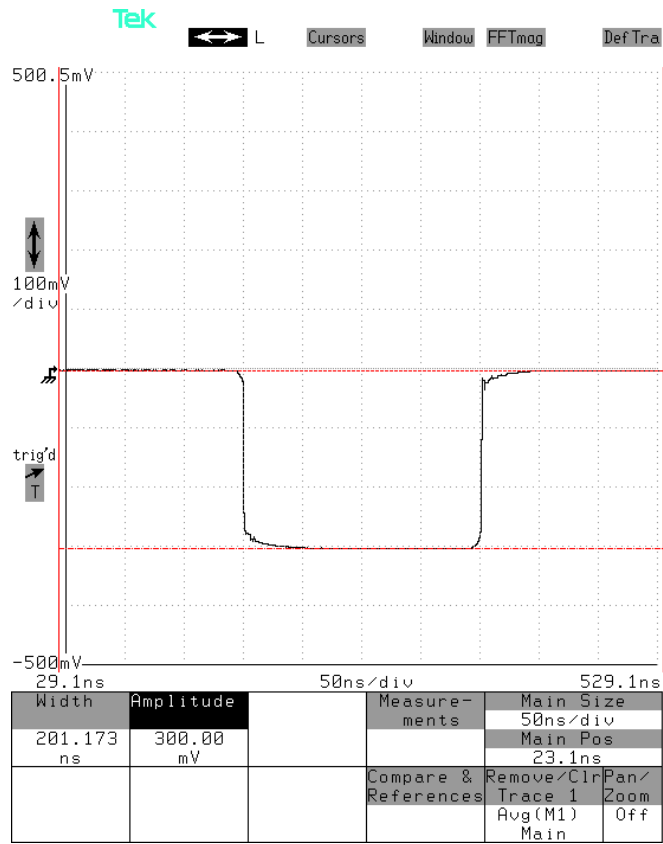
Trailing edge at 10 kHz, 200 ns, +30V,
 10 ns/div. 10 V/div (100 mV/div × 40 dB):



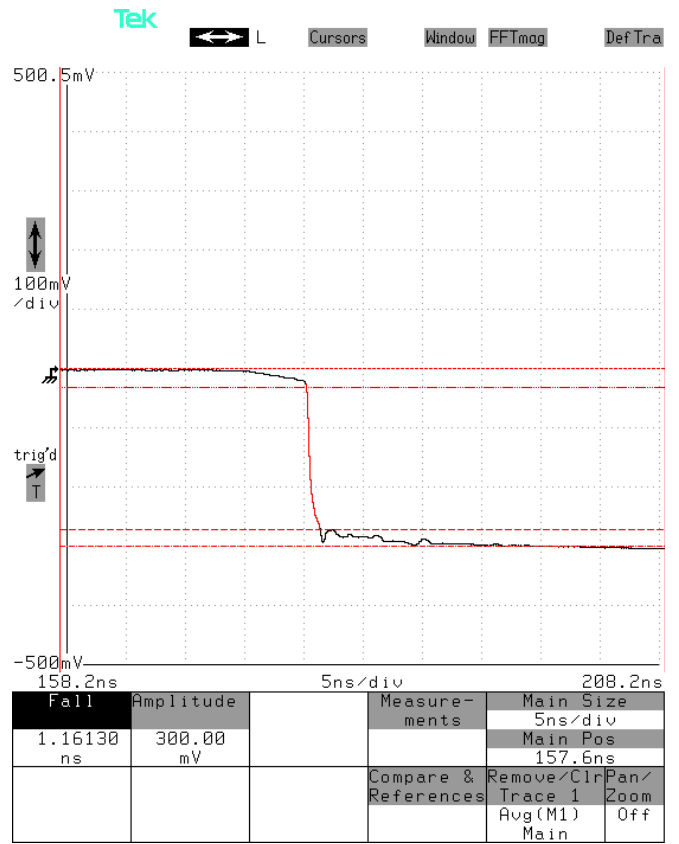
Full pulse at 1 kHz, 10 us, +30V,
 2 us/div. 10 V/div (100 mV/div × 40 dB):



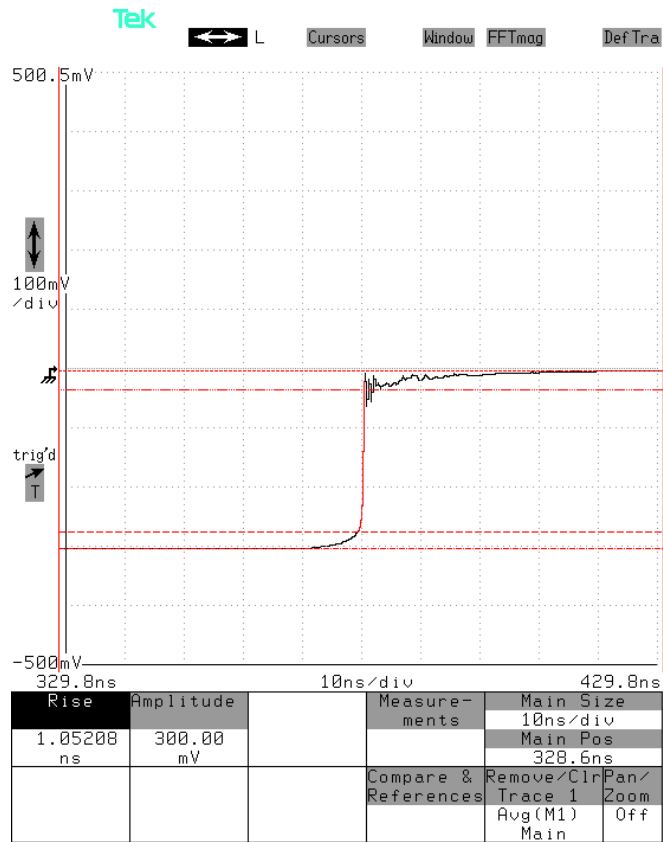
Full pulse at 10 kHz, 200 ns, -30V,
50 ns/div. 10 V/div (100 mV/div × 40 dB):



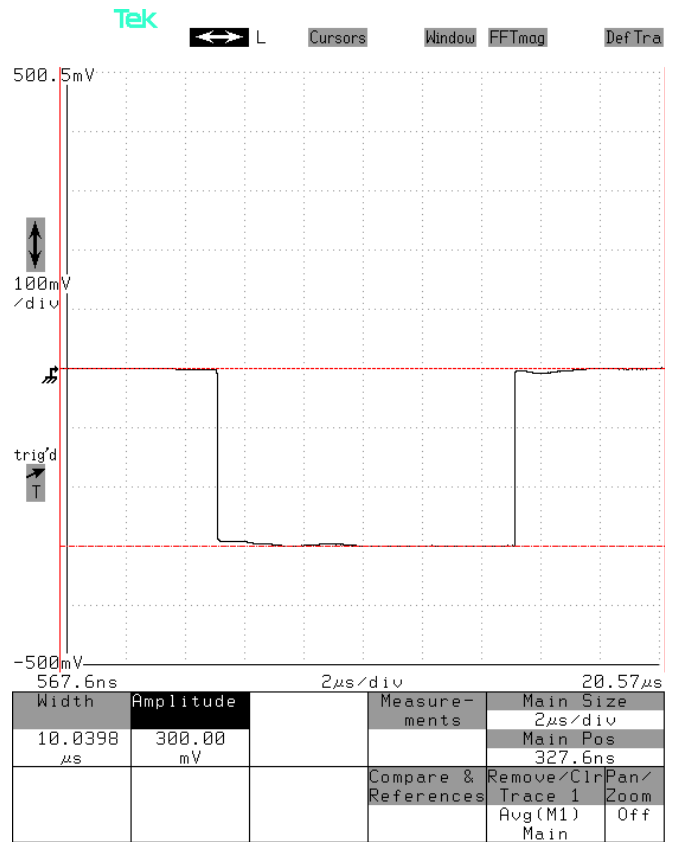
Leading edge at 10 kHz, 200 ns, -30V,
5 ns/div. 10 V/div (100 mV/div × 40 dB):



Trailing edge at 10 kHz, 200 ns, -30V,
 10 ns/div. 10 V/div (100 mV/div × 40 dB):

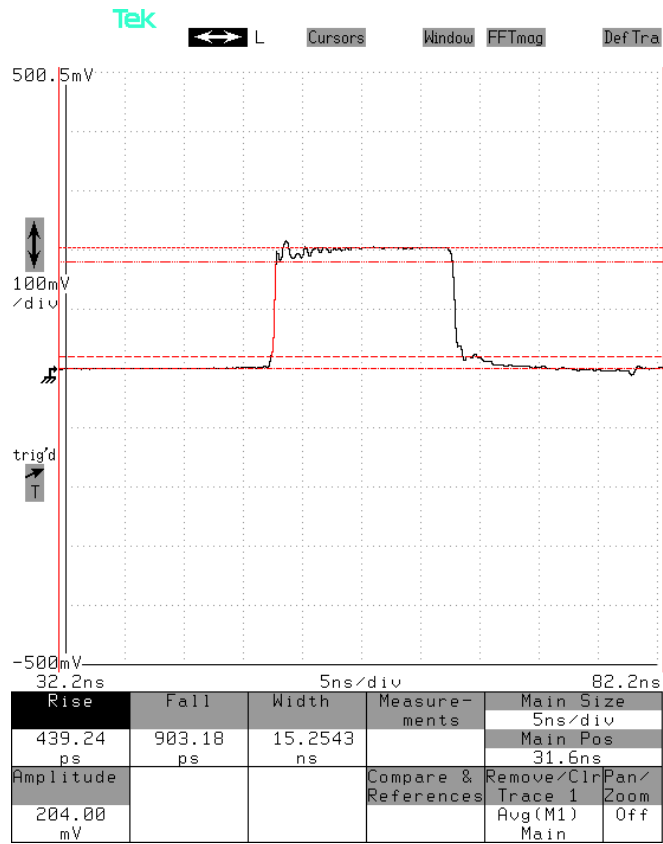


Full pulse at 1 kHz, 10 us, -30V,
 2 us/div. 10 V/div (100 mV/div × 40 dB):



Full pulse at 10 kHz, 15 ns, +2V,

5 ns/div. 1 V/div (100 mV/div × 20 dB):



Full pulse at 10 kHz, 15 ns, -2V,

5 ns/div. 1 V/div (100 mV/div × 20 dB):

