



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

P.O. BOX 265
OGDENSBURG, NY
U.S.A. 13669-0265

TEL: 888-670-8729 (USA & Canada) or +1-613-686-6675 (Intl)
FAX: 800-561-1970 (USA & Canada) or +1-613-686-6679 (Intl)

BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H5

info@avtechpulse.com - http://www.avtechpulse.com/

PERFORMANCE CHECKSHEET

Model: AVR-D2-B-R5-2YW
Type: MIL-S-19500 Pulse Generator
S.N.: 13266
Date: February 9, 2015

Output Amplitude: up to $\pm 30V$, to 50 Ω
Pulse Width (FWHM): 15 ns , 200 ns – 20 us
Rise Time (10%-90%): ≤ 1.5 ns
Fall Time (90%-10%): ≤ 2.0 ns, ≤ 2.5 ns
PRF: 1 Hz – 50 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

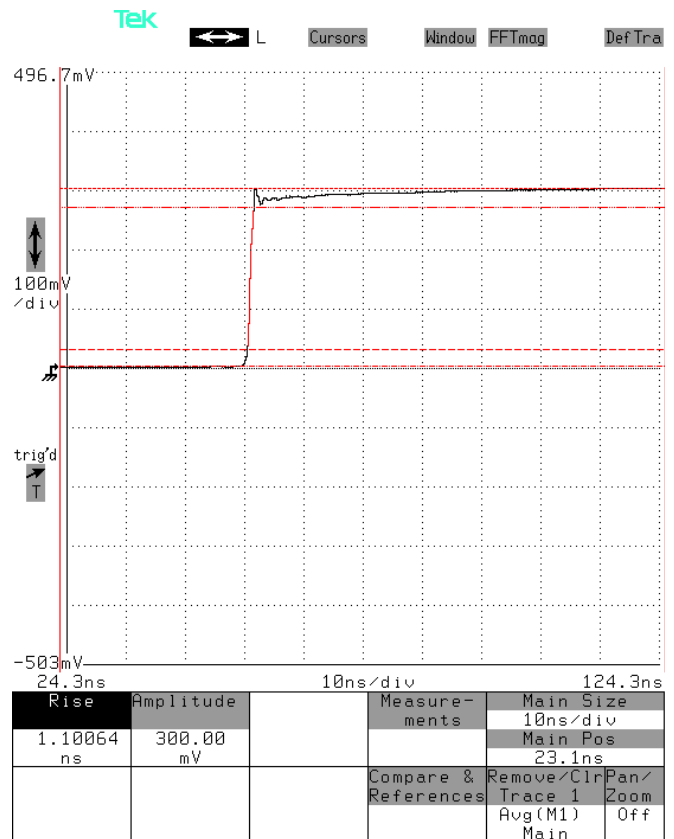
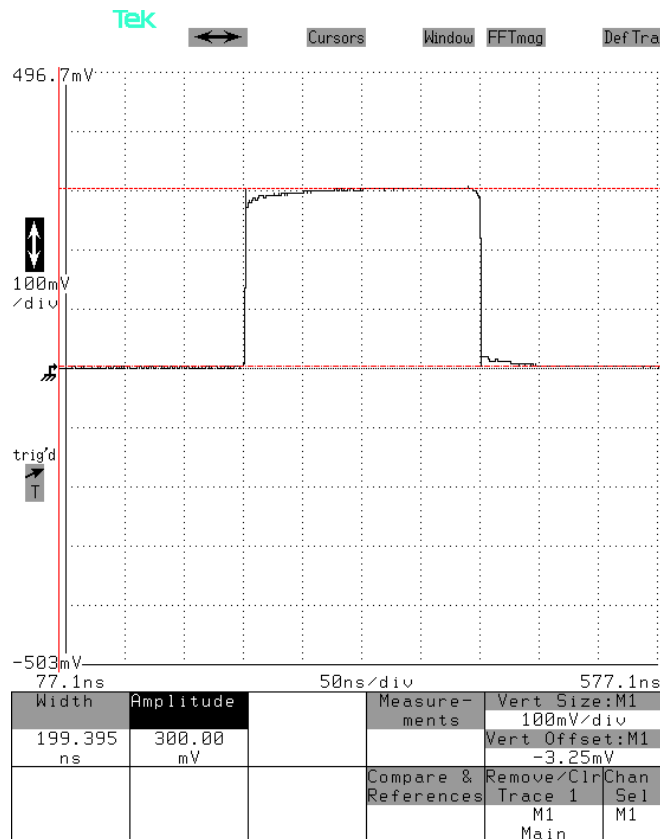
Test Waveforms

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

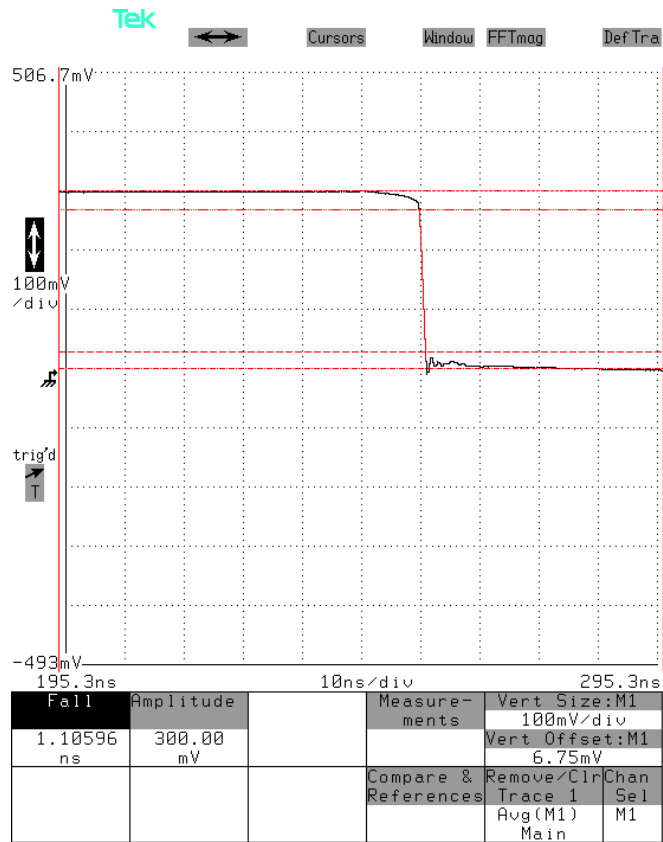
50 ns/div. 10 V/div (100 mV/div \times 40 dB):

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

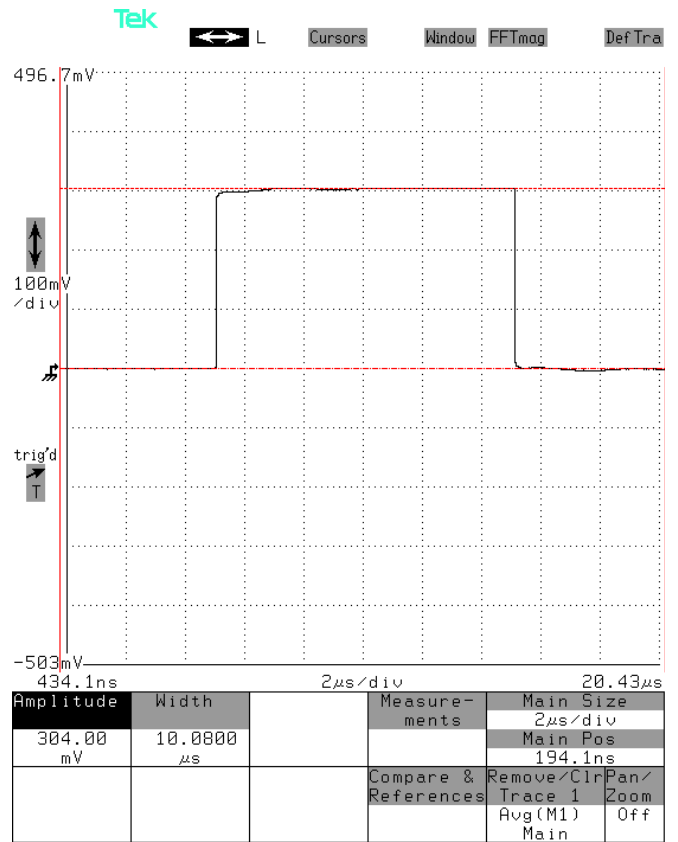
10 ns/div. 10 V/div (100 mV/div \times 40 dB):



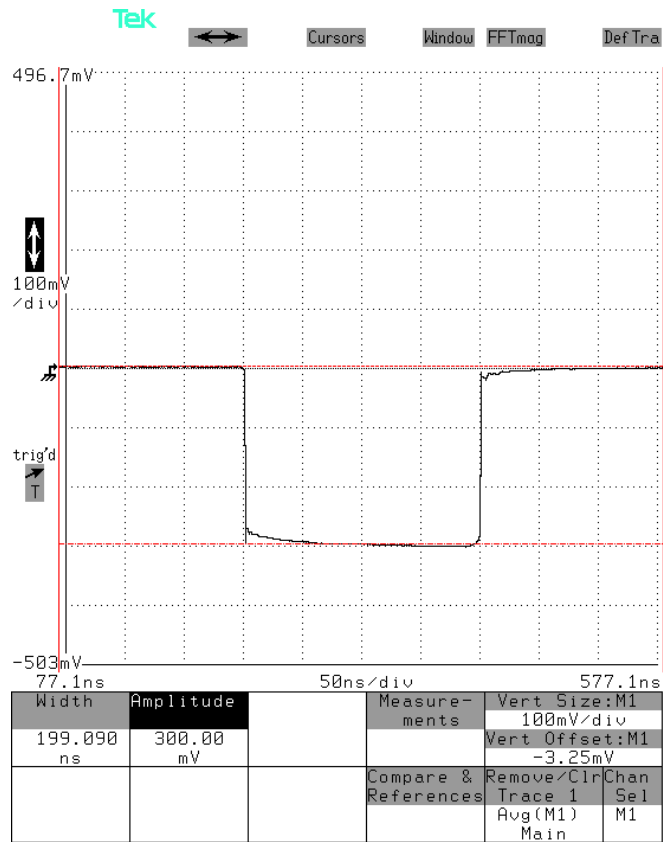
Trailing edge at 10 kHz, 200 ns, +30V,
 10 ns/div. 10 V/div (100 mV/div × 40 dB):



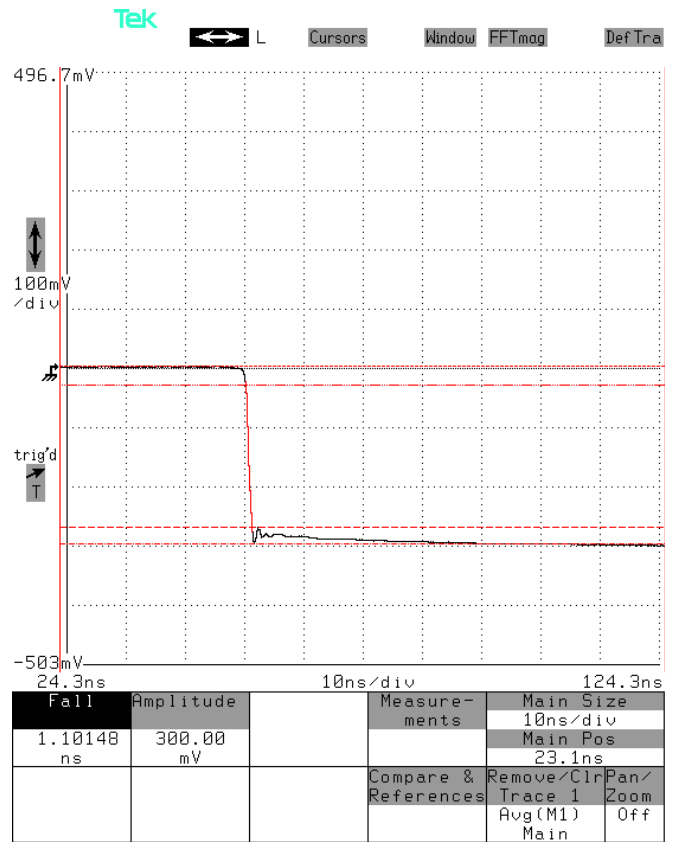
Full pulse at 1 kHz, 10 us, +30V,
 2 us/div. 10 V/div (100 mV/div × 40 dB):



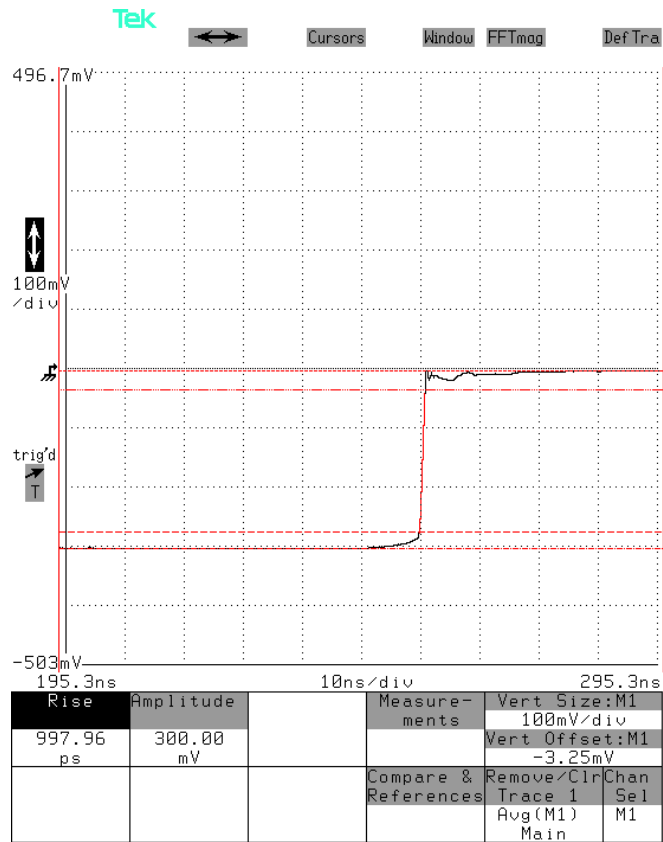
Full pulse at 10 kHz, 200 ns, -30V,
50 ns/div. 10 V/div (100 mV/div × 40 dB):



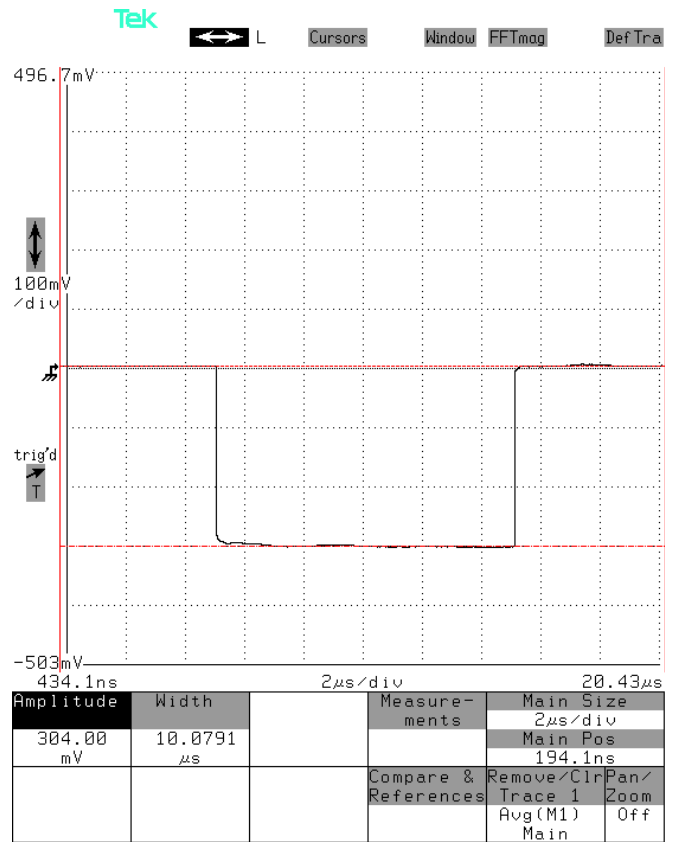
Leading edge at 10 kHz, 200 ns, -30V,
10 ns/div. 10 V/div (100 mV/div × 40 dB):



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

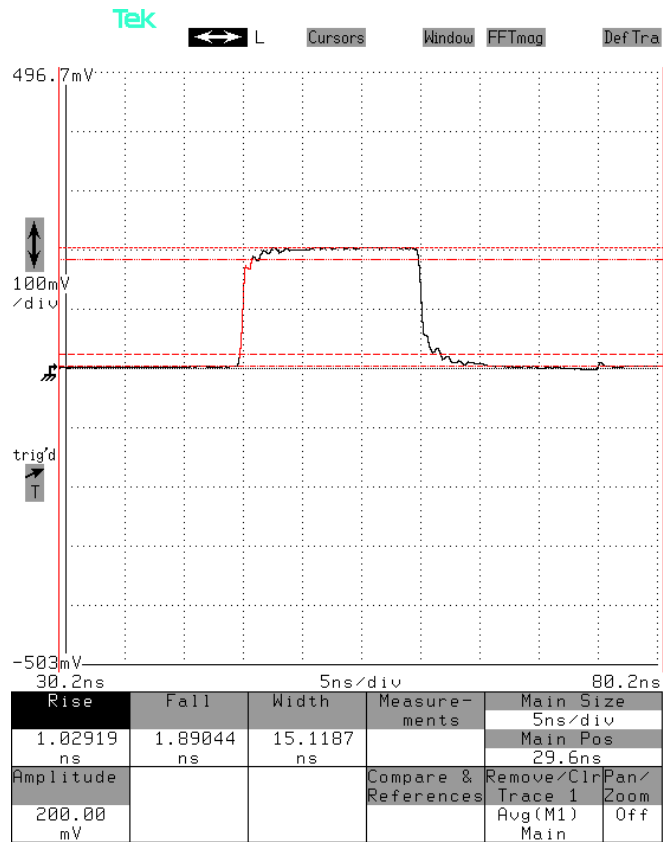


Full pulse at 1 kHz, 10 us, -30V,
 2 us/div. 10 V/div (100 mV/div × 40 dB):



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):

