



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 3H4

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

PERFORMANCE CHECKSHEET

Model: AVP-AV-1S-C-EA-EW-HITA
Type: Ultra-High-Speed Pulse Generator
S.N.: 12670
Date: August 3, 2011

Output Amplitude: 1 to 5V, to 50Ω
Pulse Width (FWHM): 1 – 10 ns
Rise Time (20%-80%): ≤ 500 ps
Fall Time (80%-20%): ≤ 500 ps
PRF: 1 Hz - 10 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

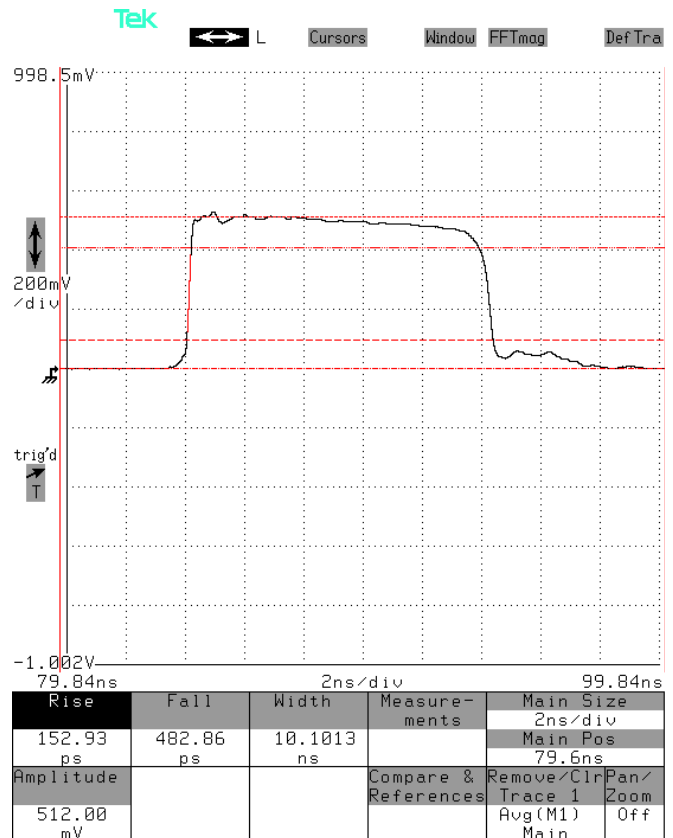
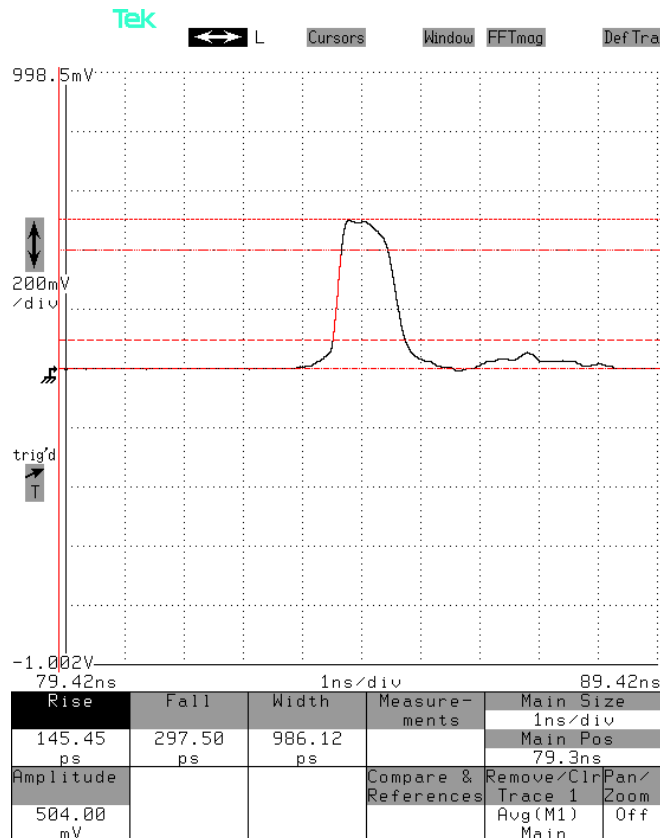
Test Waveforms

10 kHz, < 1 ns, > +5V,

10 kHz, > 10 ns, > +5V,

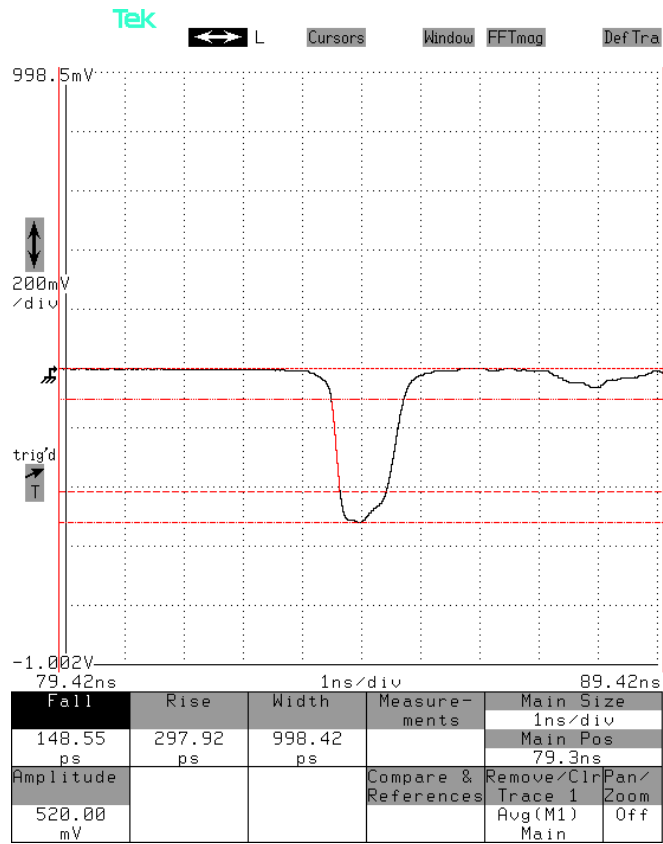
1 ns/div. 2 V/div (200 mV × 20 dB):

2 ns/div. 2 V/div (200 mV × 20 dB):



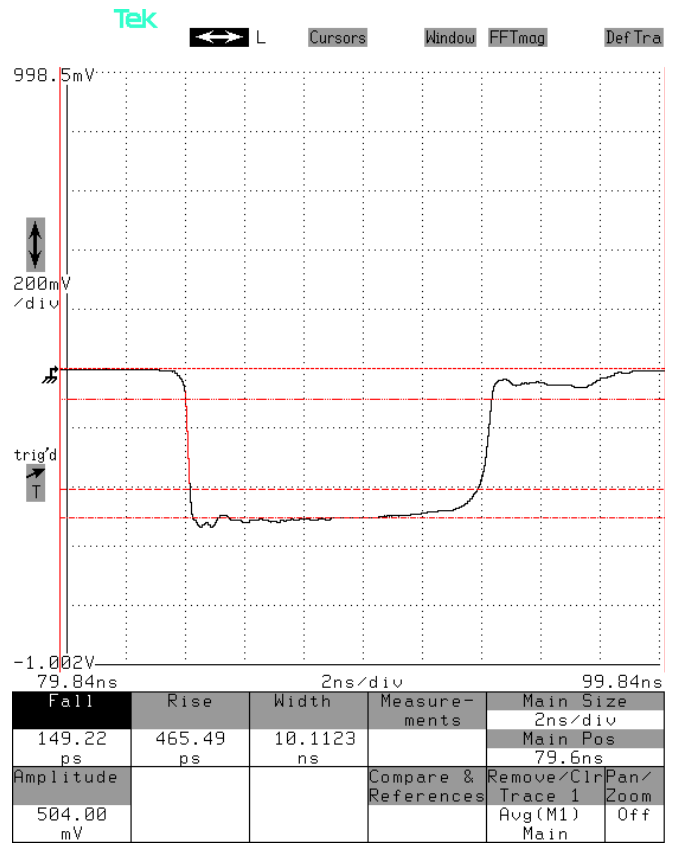
10 kHz, < 1 ns, > -5V,

1 ns/div. 2 V/div (200 mV × 20 dB):



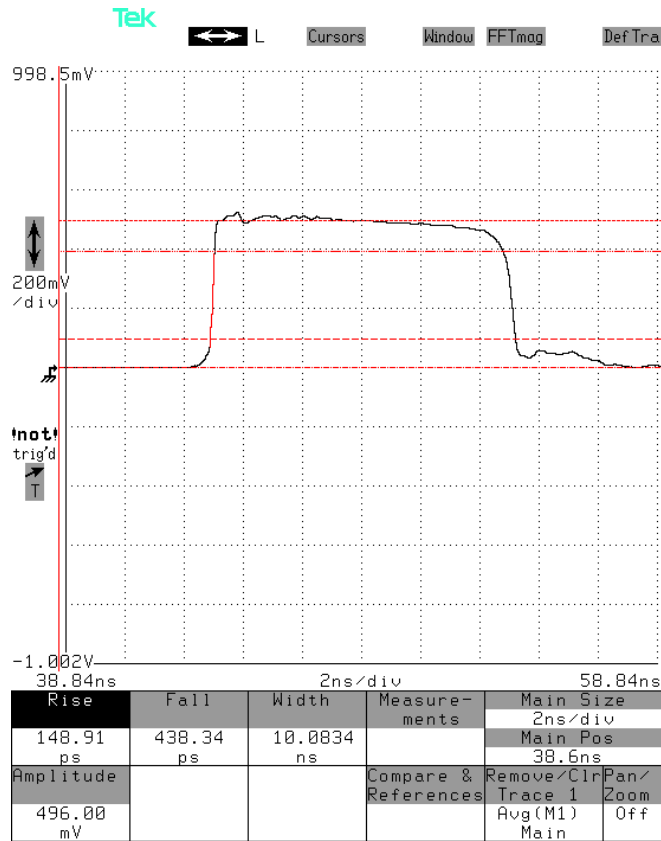
10 kHz, > 10 ns, > -5V,

2 ns/div. 2 V/div (200 mV × 20 dB):



10 kHz, > 10 ns, > 5V, with the polarity alternating with each pulse (half the pulses are positive, half are negative). The oscilloscope is set to trigger on the positive pulses only.

2 ns/div. 2 V/div (200 mV × 20 dB):



10 kHz, > 10 ns, > 5V, with the polarity alternating with each pulse (half the pulses are positive, half are negative). The oscilloscope is set to trigger on the negative pulses only.

2 ns/div. 2 V/div (200 mV × 20 dB):

