



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: AVN-W1-C-P-AC00
Type: Ultra-High-Speed Pulse Generator
S.N.: 13558
Date: April 11, 2017

Output Amplitude: up to 5V, to 50Ω
Pulse Width (FWHM): 0.2 to 1.2 or 2.5 ns
Rise Time (20%-80%): ≤ 100 ps
Fall Time (80%-20%): ≤ 200 ps
PRF: 20 - 100 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

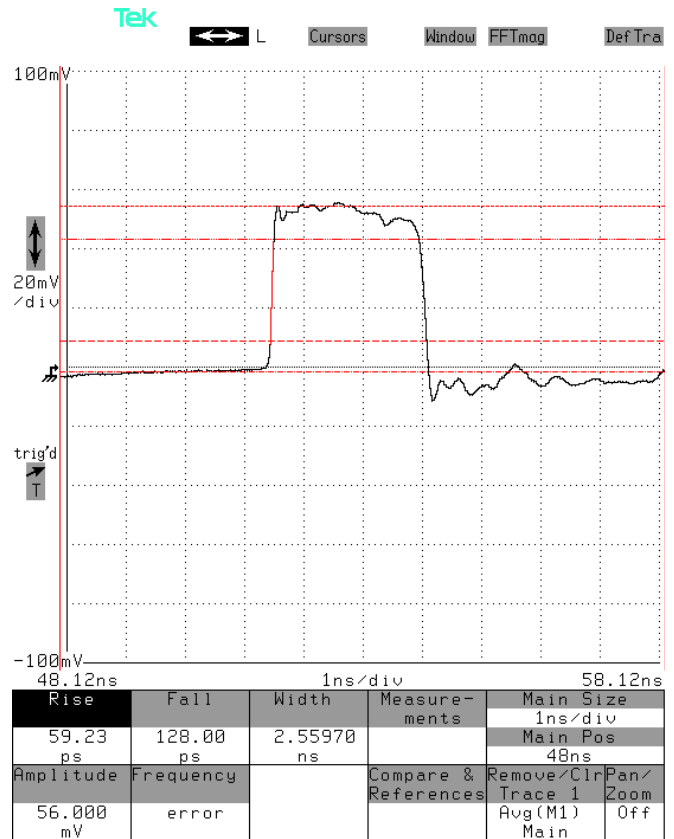
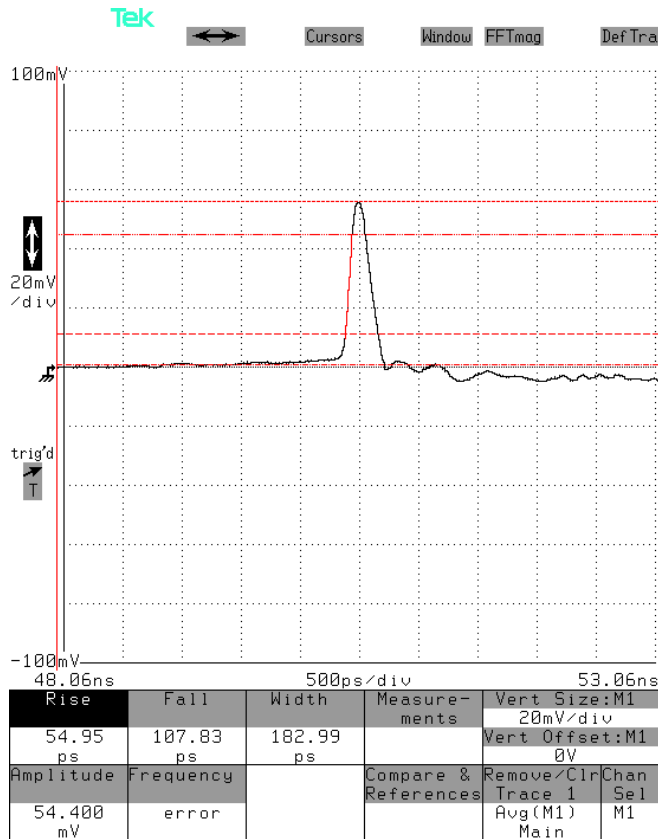
Test Waveforms

20 MHz, < 200 ps PW, > +5V,

20 MHz, > 2.5 ns PW, > +5V,

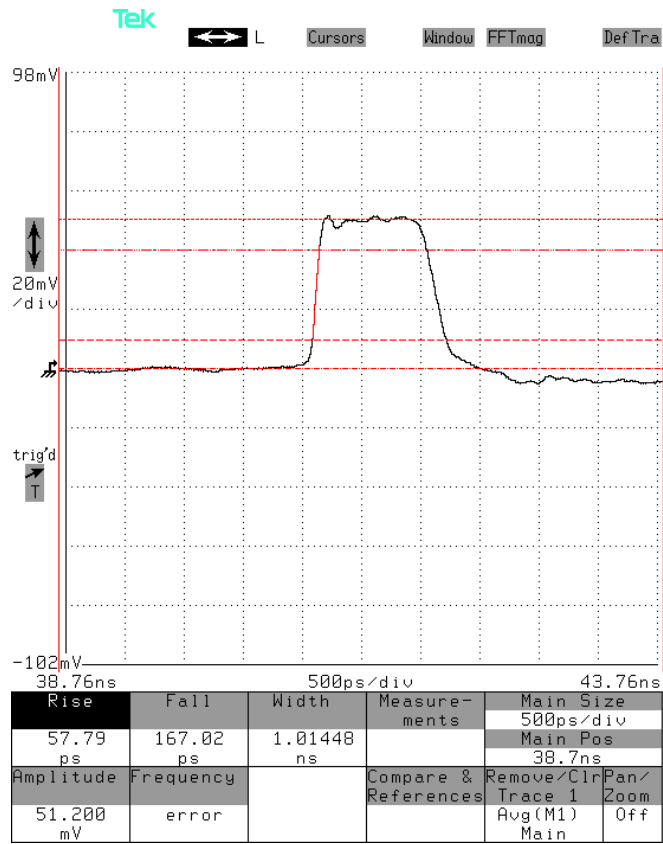
500 ps/div. 2 V/div (20 mV/div × 40 dB):

1 ns/div. 2 V/div (20 mV/div × 40 dB):



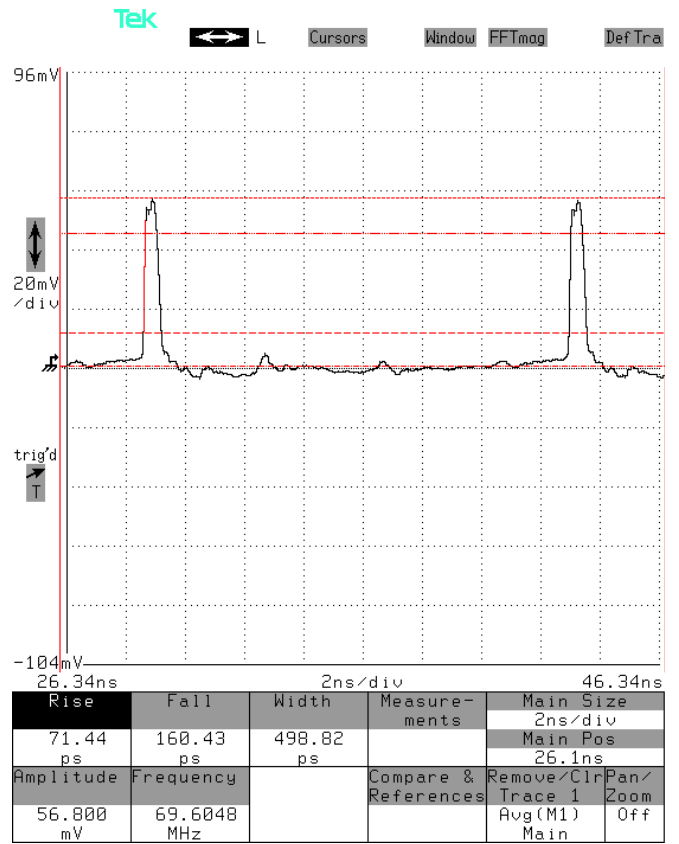
50 MHz, 1 ns PW, +5V,

500 ps/div. 2 V/div (20 mV/div × 40 dB):



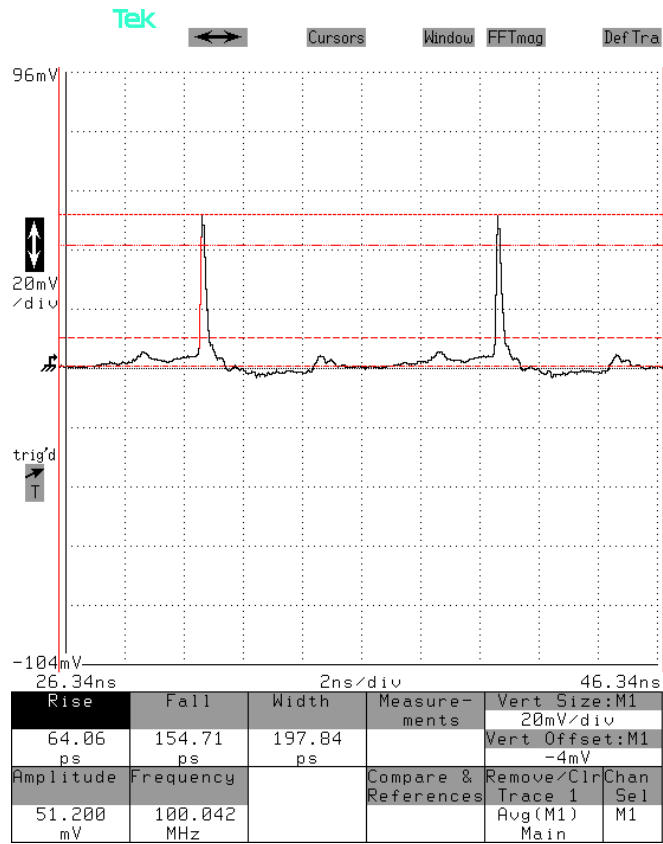
70 MHz, 500 ps PW, > +5V,

2 ns/div. 2 V/div (20 mV/div × 40 dB):



100 MHz, 200 ps PW, +5V,

2 ns/div. 2 V/div (20 mV/div × 40 dB):



100 MHz, 1.3 ns PW, > +5V,

2 ns/div. 2 V/div (20 mV/div × 40 dB):

