

# 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: AVN-5A-C-P-PN  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12871  
Date: August 31, 2012

Output Amplitude: up to 20V-30V, to 50Ω  
Pulse Width (FWHM): 0.4 - 1 ns, 0.4 – 0.7 ns  
Rise Time (20%-80%): ≤ 200 ps  
Fall Time (80%-20%): ≤ 300 ps  
PRF: 25 - 200 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

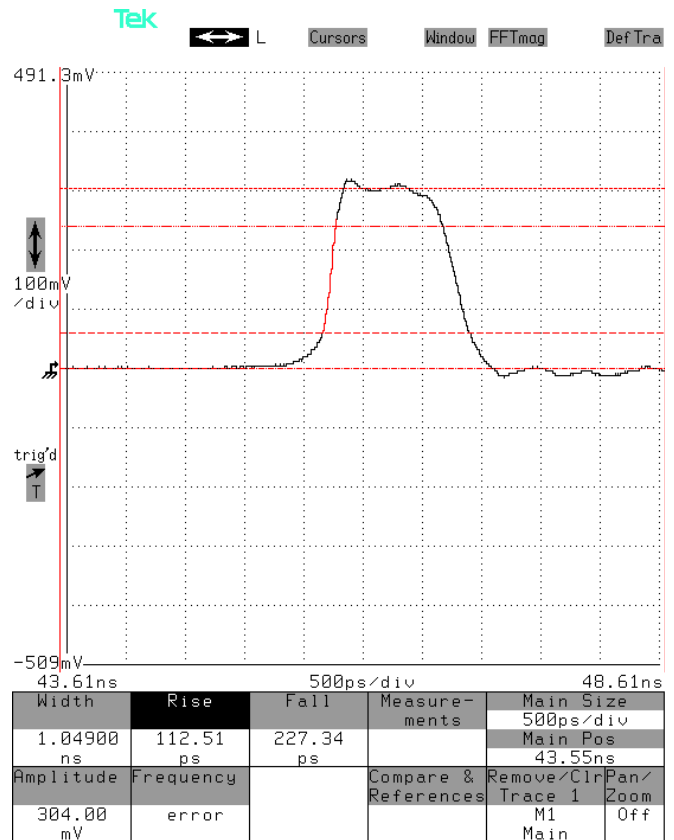
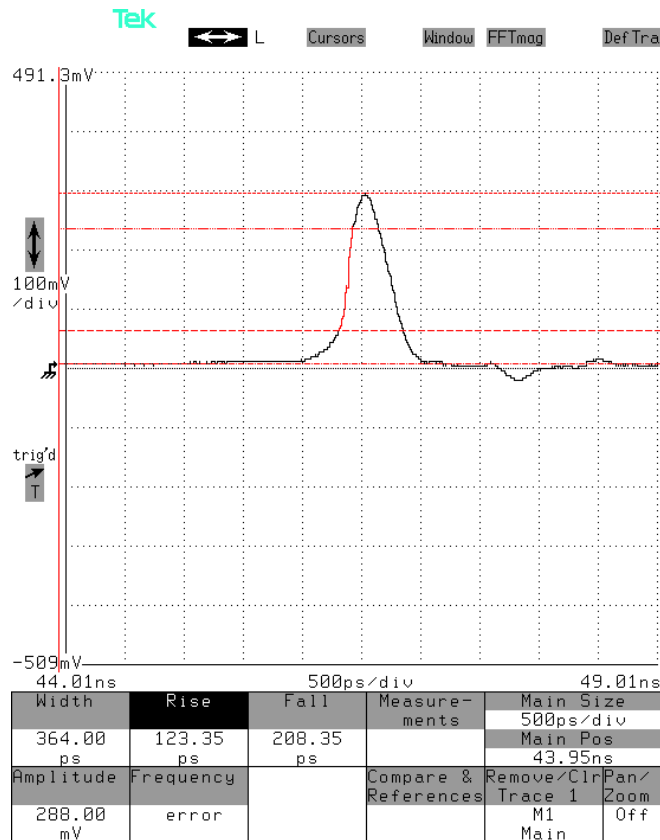
### Test Waveforms

25 MHz, ~ 400 ps, +25V into 50 Ohms:

25 MHz, ~ 1 ns, > +25V into 50 Ohms:

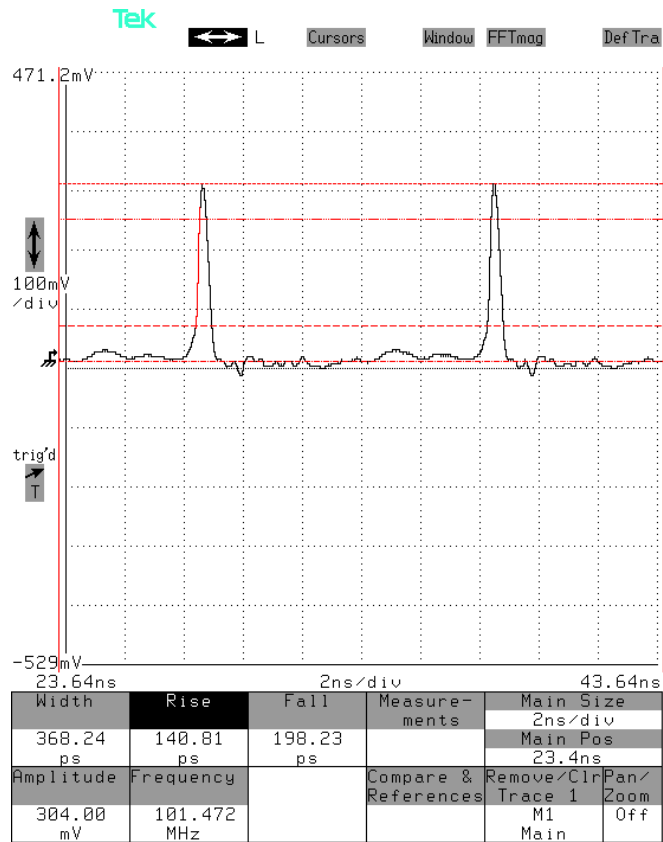
500 ps/div. 10 V/div (100 mV × 40 dB):

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



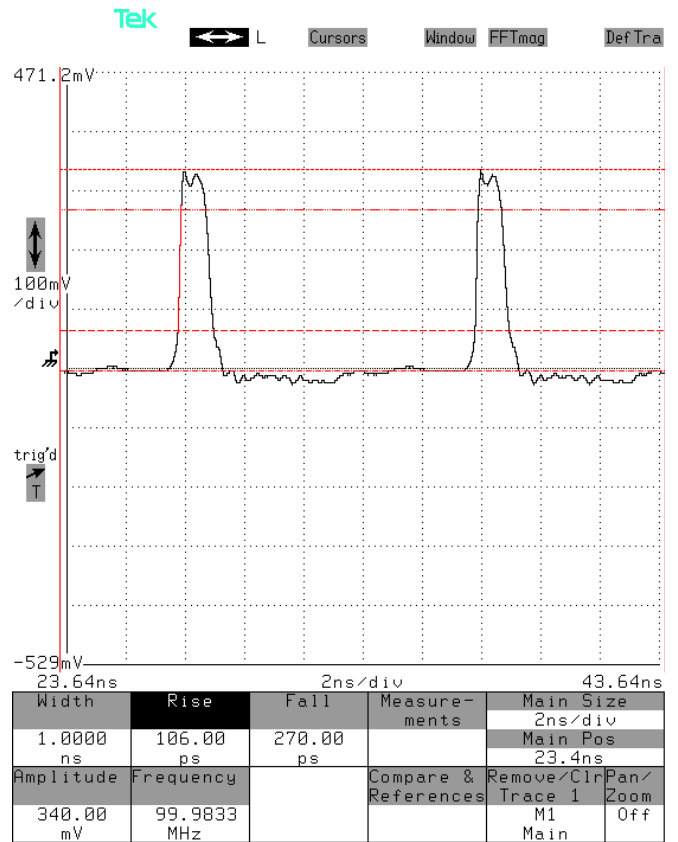
100 MHz, ~ 400 ps, +30V into 50 Ohms:

2 ns/div. 10 V/div (100 mV × 40 dB):



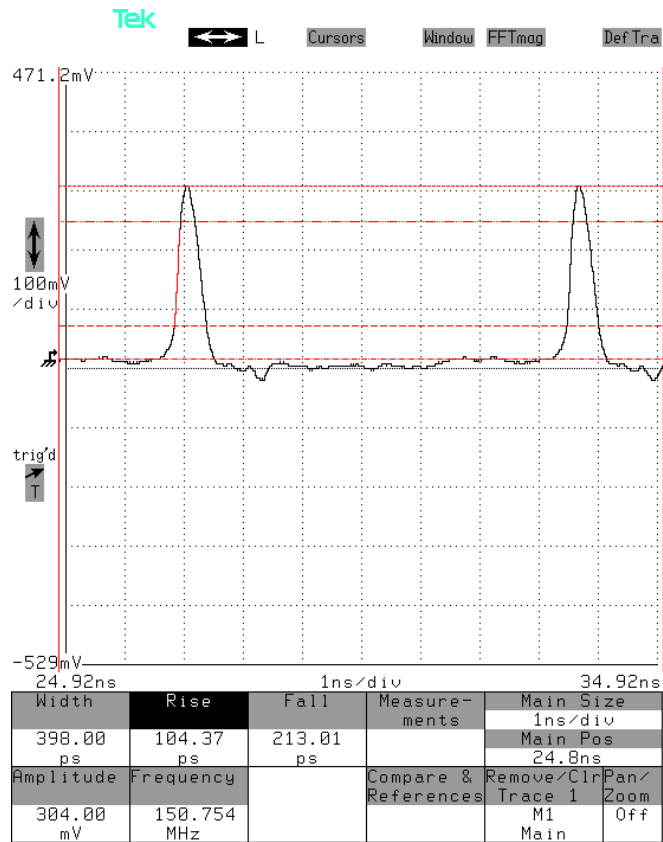
100 MHz, ~ 1 ns, > +30V into 50 Ohms:

2 ns/div. 10 V/div (100 mV × 40 dB):



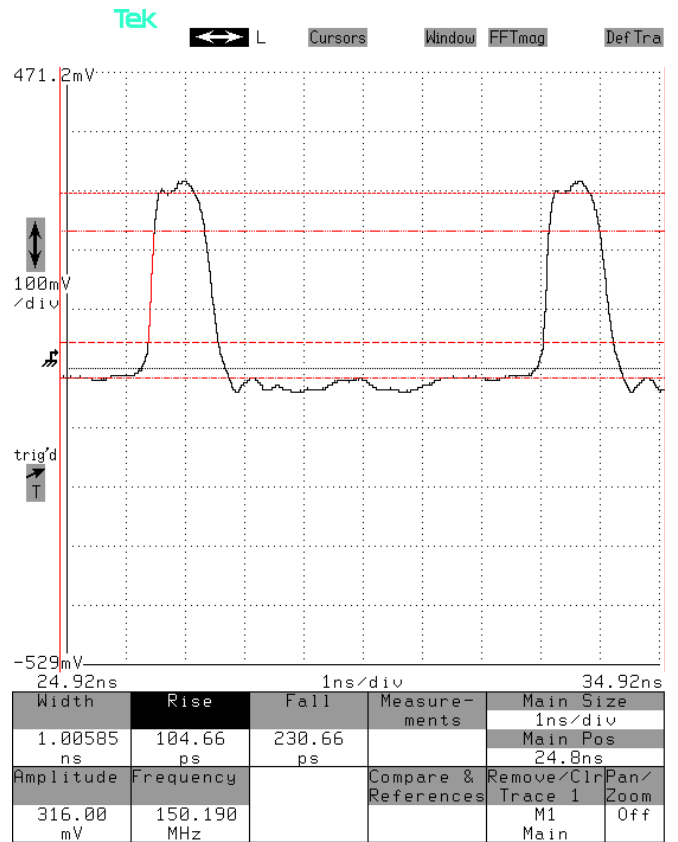
150 MHz, ~ 400 ps, > +30V into 50 Ohms:

1 ns/div. 10 V/div (100 mV × 40 dB):



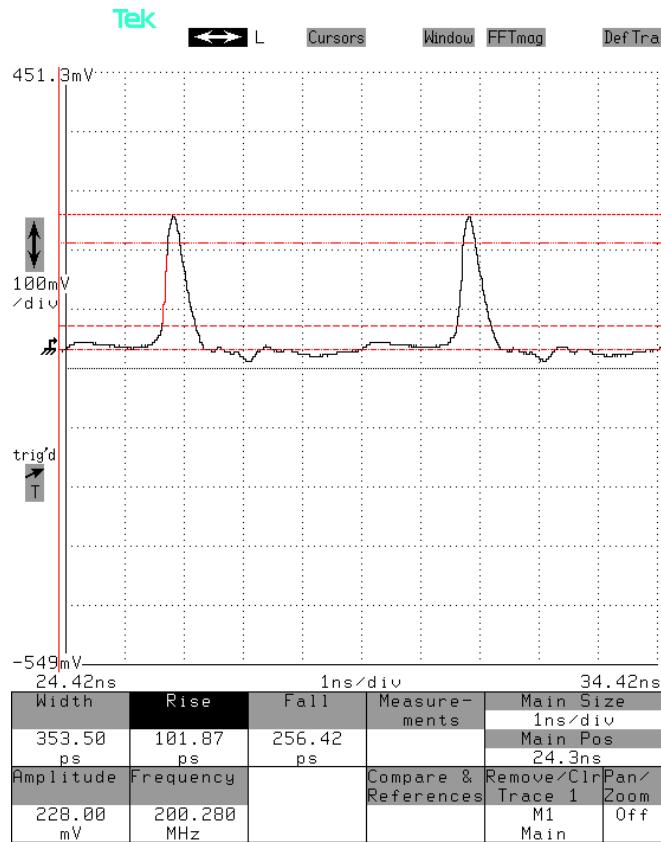
150 MHz, ~ 1 ns, > +30V into 50 Ohms:

1 ns/div. 10 V/div (100 mV × 40 dB):



200 MHz, < 400 ps, +20V into 50 Ohms:

1 ns/div. 10 V/div (100 mV × 40 dB):



200 MHz, ~ 700 ps, > +20V into 50 Ohms:

1 ns/div. 10 V/div (100 mV × 40 dB):

