



# 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-1-C-P-PN-OT-R5-AC22  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12897  
Date: October 2, 2012

Max. Output Amplitude: +5V  
Pulse Width (FWHM): 0.2 – 1 ns  
Rise Time (20%-80%): ≤ 100 ps  
Fall Time (80%-20%): ≤ 200 ps  
PRF: 40 - 200 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

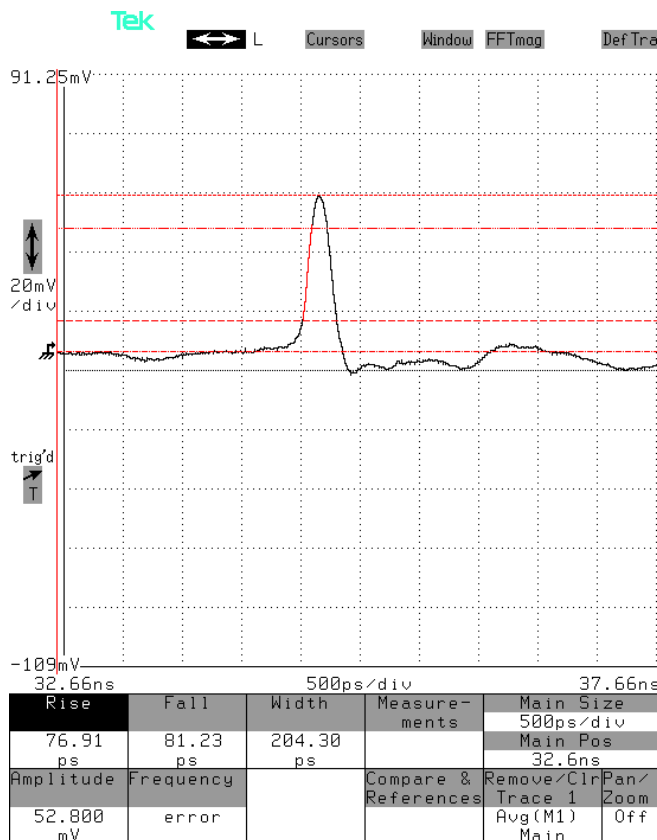
### Test Waveforms

At 40 MHz and < 0.2 ns, > +5V:

At 100 MHz and 0.2 ns, > +5V:

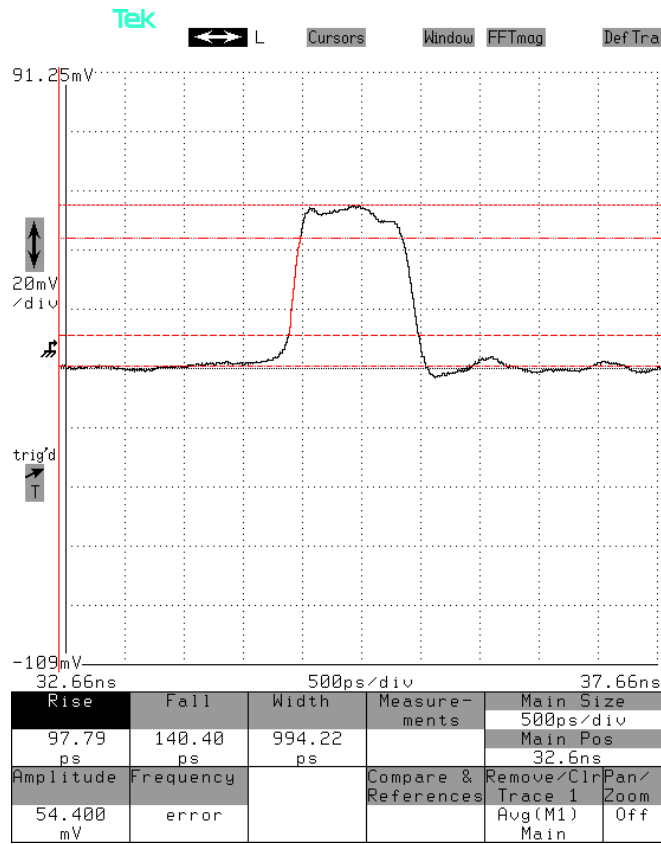
500 ps/div. 2 V/div (20 mV × 40 dB):

500 ps/div. 2 V/div (20 mV × 40 dB):



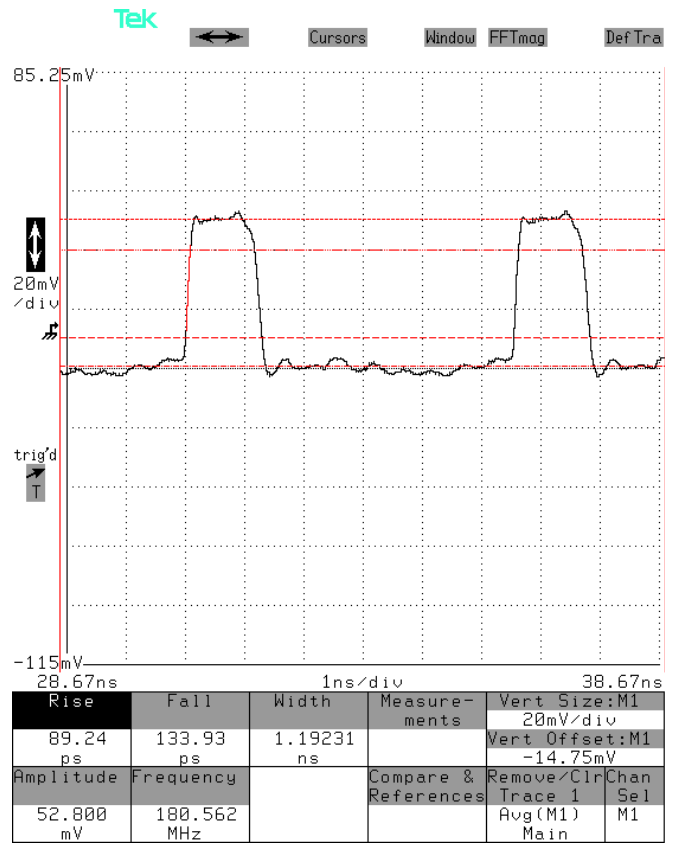
At 100 MHz and 1 ns, > +5V:

500 ps/div. 2 V/div (20 mV × 40 dB):



At 180 MHz and > 1 ns, > +5V:

1 ns/div. 2 V/div (20 mV × 40 dB):



At > 250 MHz and 0.2 ns, > +5V:

1 ns/div. 2 V/div (20 mV × 40 dB):

