

# 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-1-B-PN  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12716  
Date: September 13, 2011

Output Amplitude: up to  $\pm 10V$ , to  $50\Omega$   
Pulse Width (FWHM): 0.4 to 4 ns  
Rise Time (20%-80%):  $\leq 150$  ps  
Fall Time (80%-20%):  $\leq 300$  ps  
PRF: 1 Hz - 1 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

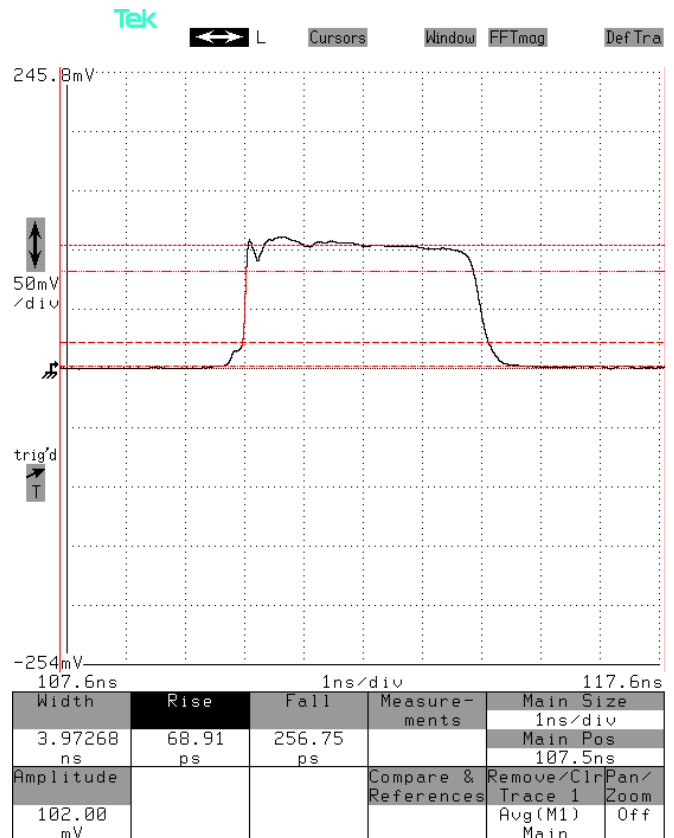
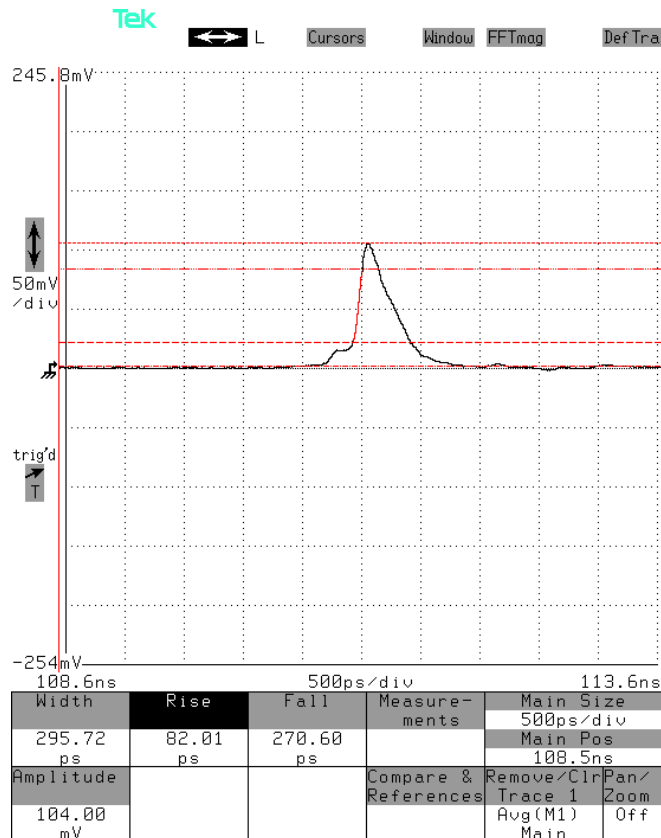
### Test Waveforms

10 kHz, < 400 ps, +10V,

10 kHz, 4 ns, +10V,

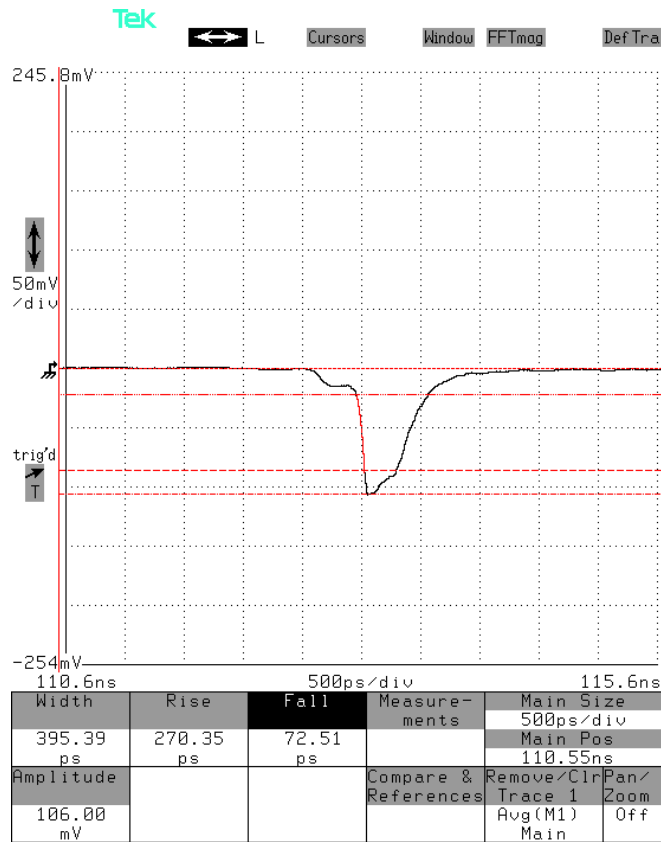
500 ps/div. 5 V/div (50 mV  $\times$  40 dB):

1 ns/div. 5 V/div (50 mV  $\times$  40 dB):



10 kHz, 400 ps, > -10V,

500 ps/div. 5 V/div (50 mV × 40 dB):



10 kHz, 4 ns, -10V,

1 ns/div. 5 V/div (50 mV × 40 dB):

