



# 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 +1-613-226-5772 (Intl)  
FAX: 800-561-1970 (USA & Canada) or +1-613-226-2802 (Intl)

BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H4

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

## PERFORMANCE CHECKSHEET

Model: AV-1011B1-B-TNT-BR  
Type: High-Speed Pulse Generator  
S.N.: 11822  
Date: September 12, 2007

Output Amplitude: 0 to  $\pm 100V$ , to 50 $\Omega$   
Pulse Width (FWHM): 100 ns – 1 ms  
Rise Time (20%-80%):  $\leq 2$  ns  
Fall Time (80%-20%):  $\leq 2$  ns  
PRF: 1 Hz – 100 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

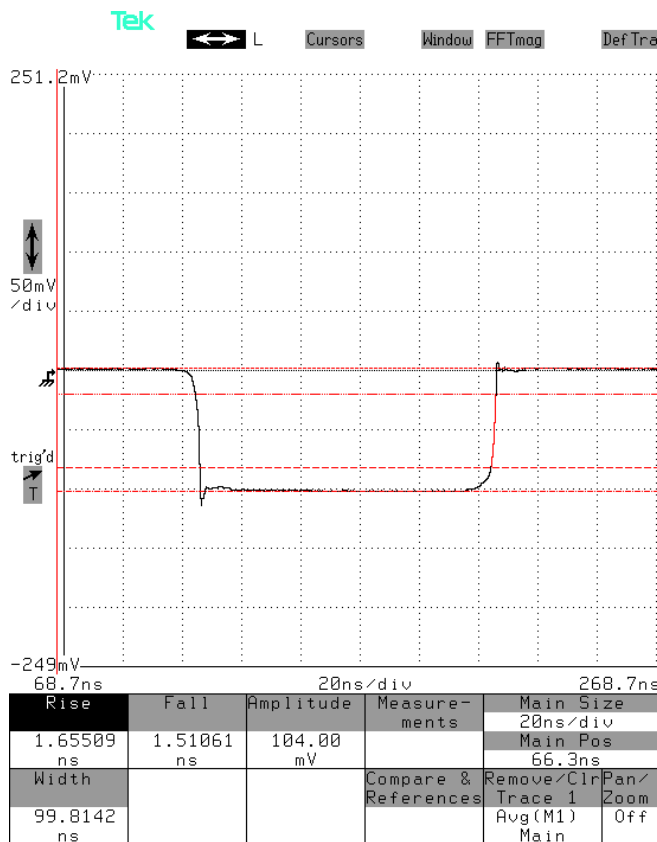
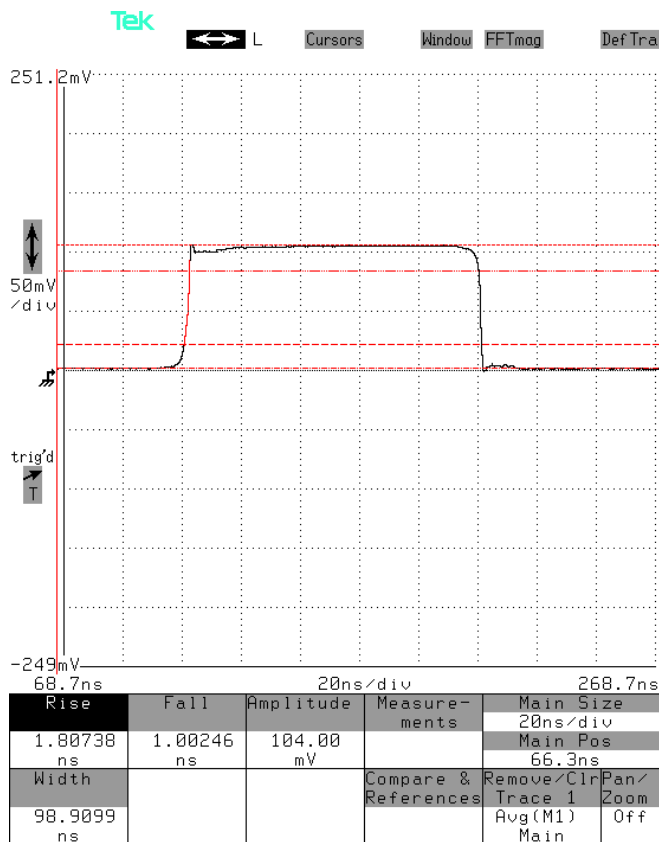
### Test Waveforms

10 kHz, +100V, 100 ns, to 50 Ohms,

10 kHz, -100V, 100 ns, to 50 Ohms,

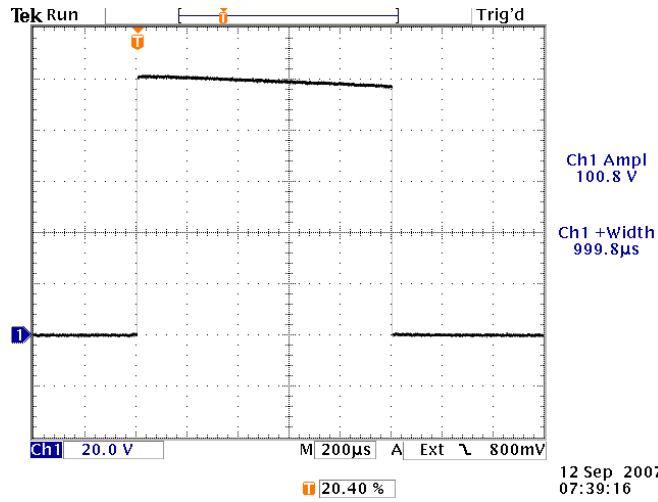
20 ns/div. 20 V/div (200 mV  $\times$  40 dB):

20 ns/div. 50 V/div (50 mV  $\times$  60 dB):



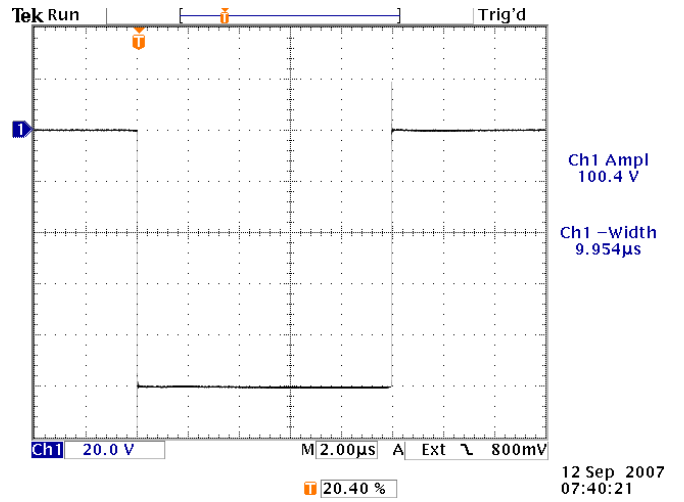
10 Hz, +100V, 1 ms, to 50 Ohms,

200 us/div. 20 V/div:



10 Hz, -100V, 10 us, to 50 Ohms,

2 us/div. 20 V/div:



Burst mode, 10 kHz, 10 us burst spacing, N=4,  
PW = 500 ns, to 50 Ohms,

20 us/div. 50 V/div:

