



# 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: AV-1011B1-B-BR  
Type: High-Speed Pulse Generator  
S.N.: 13399  
Date: January 20, 2016

Output Amplitude: up 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: →

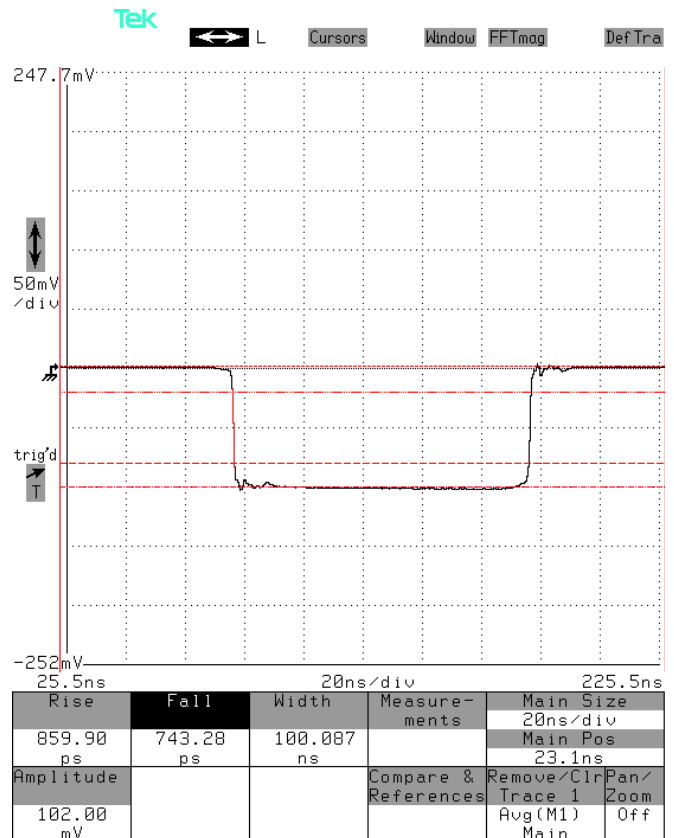
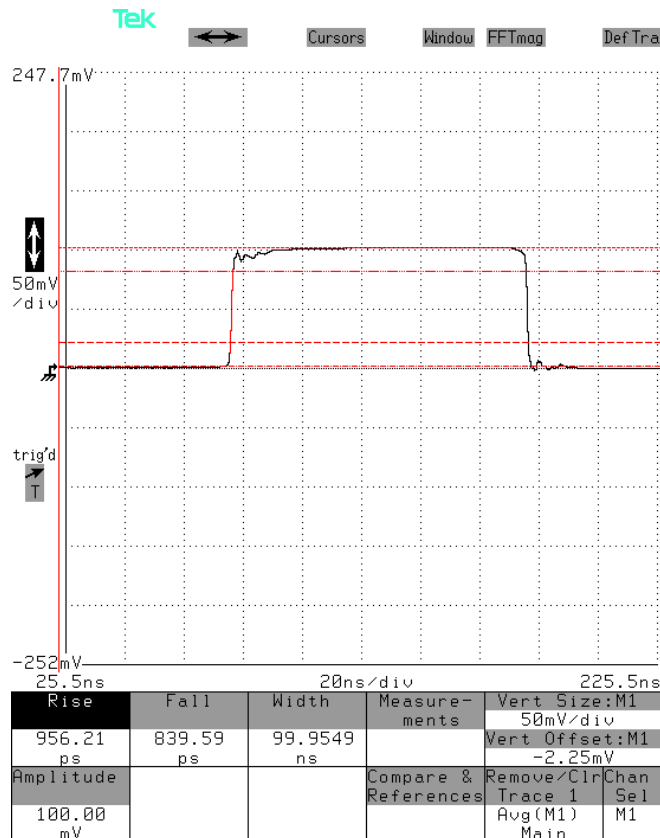
### Test Waveforms

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

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

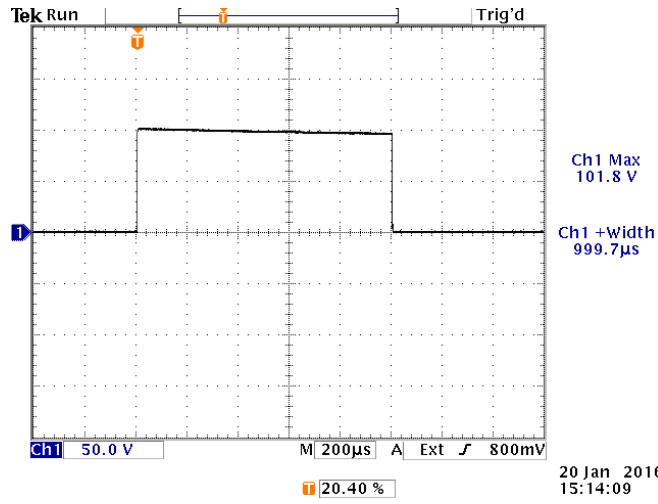
20 ns/div. 50 V/div (50 mV/div  $\times$  60 dB):

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



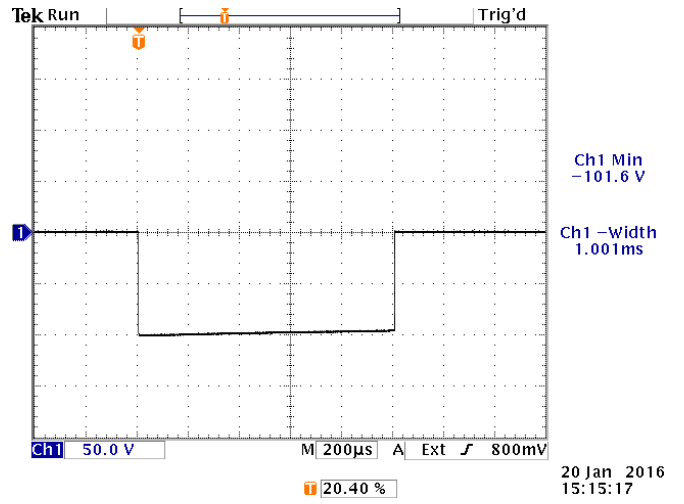
10 Hz, +100V, 1 ms, to 50 Ohms,

200 us/div. 50 V/div:



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

200 us/div. 50 V/div:



10 Hz, +100V, 500 ns, to 50 Ohms,  
burst N = 5 with 10 us separation,

10 us/div. 50V/div:

