



# 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: AVIR-4D-B-PN-VXI-EA-M-OT  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13763  
Date: August 1, 2018

Output Amplitude: up to  $\pm 200V$ , to  $50\Omega$   
Pulse Width (FWHM): 4 – 1000 ns  
Rise Time (20%-80%):  $\leq 2$  ns  
Fall Time (80%-20%):  $\leq 2.5$  ns  
PRF: 1 Hz – 20 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

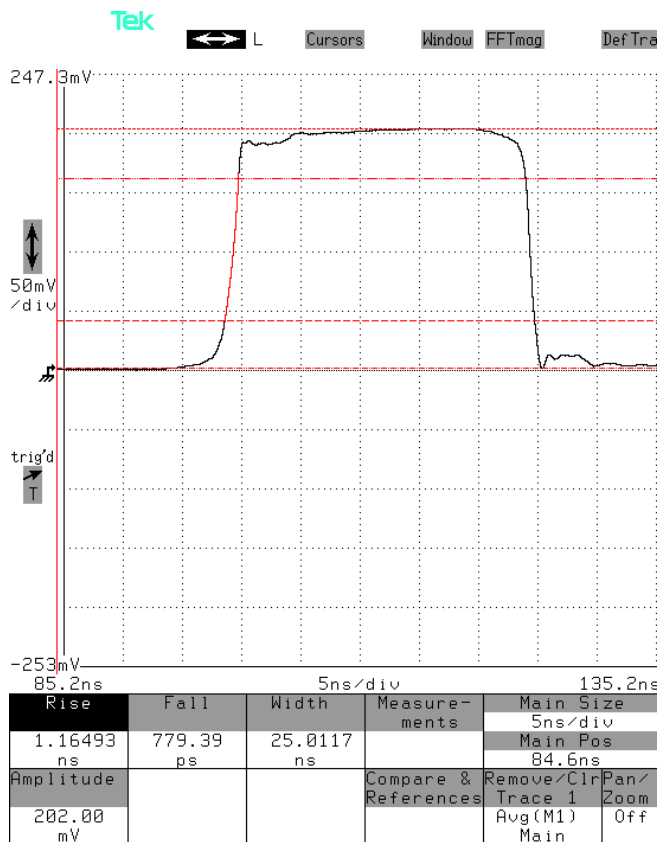
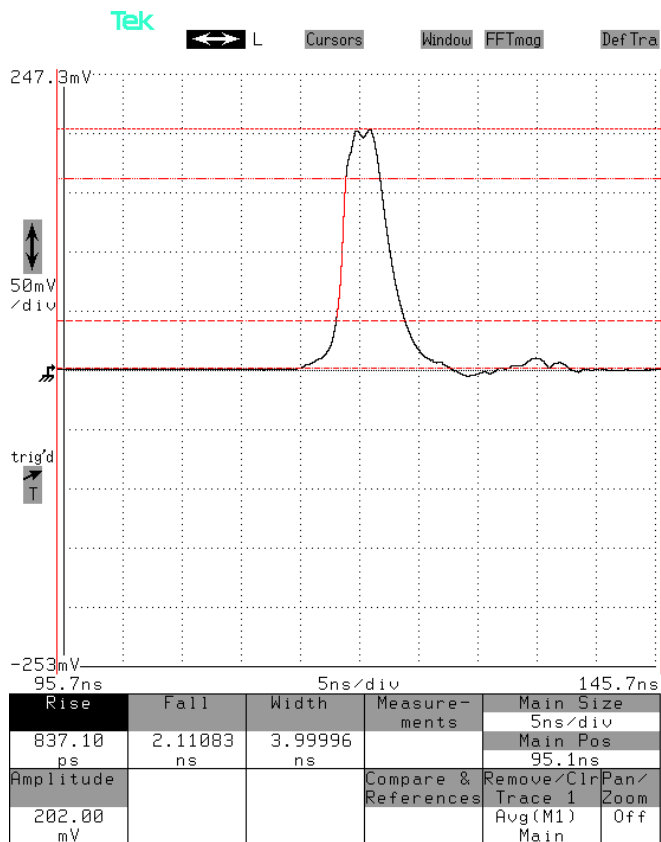
### Test Waveforms

Full pulse at 20 kHz, 4 ns, +200V,

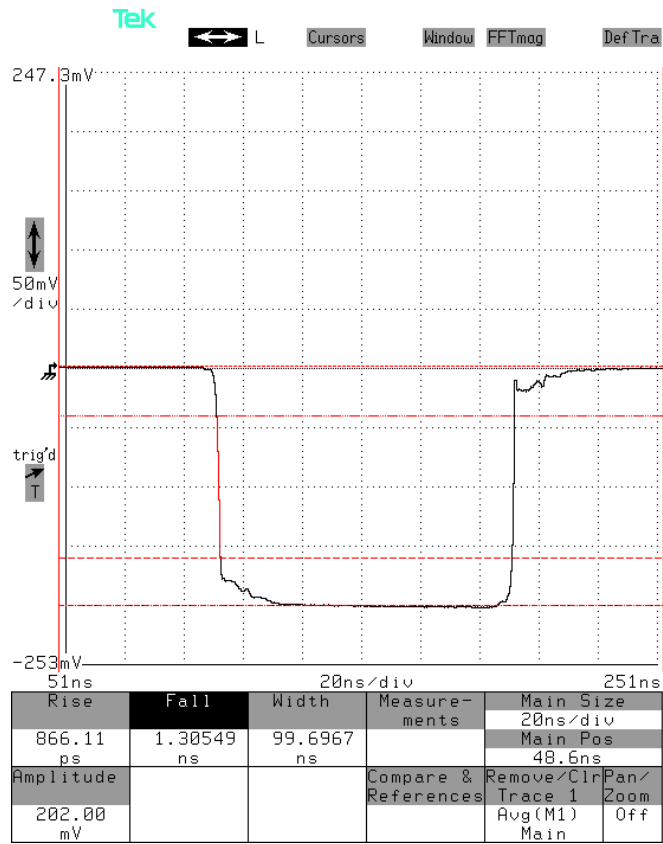
Full pulse at 20 kHz, 25 ns, +200V,

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

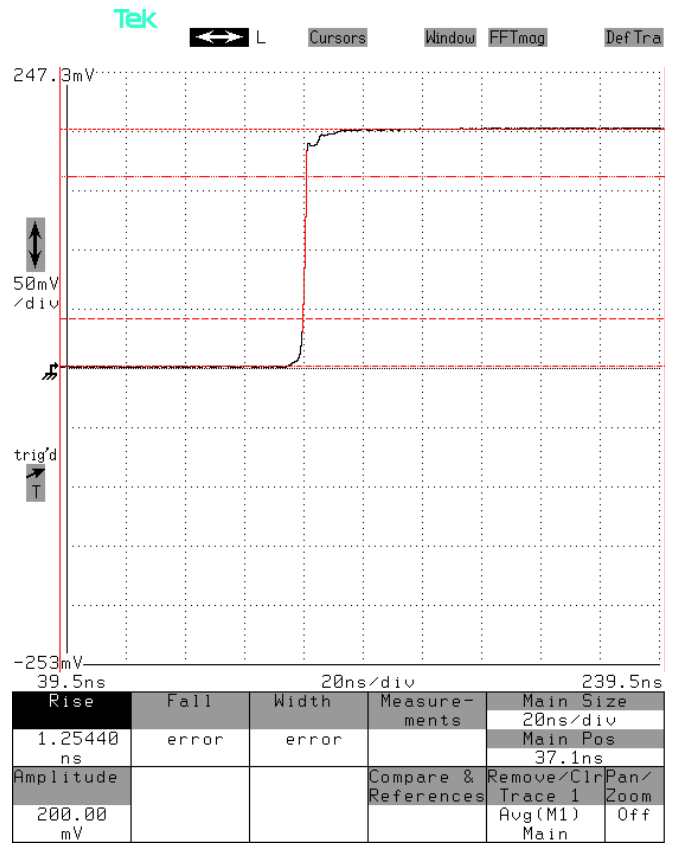
5 ns/div. 50 V/div (50 mV/div  $\times$  60 dB):



Full pulse at 20 kHz, 100 ns, -200V,  
 20 ns/div. 50 V/div (50 mV/div × 60 dB):



Leading edge at 4 kHz, 1 us, +200V,  
 20 ns/div. 50 V/div (50 mV/div × 60 dB):



Trailing edge at 4 kHz, 1 us, -200V,

20 ns/div. 50 V/div (50 mV/div × 60 dB):

