



# 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: AVMP-4-B-PN-AC02  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13353  
Date: December 8, 2015

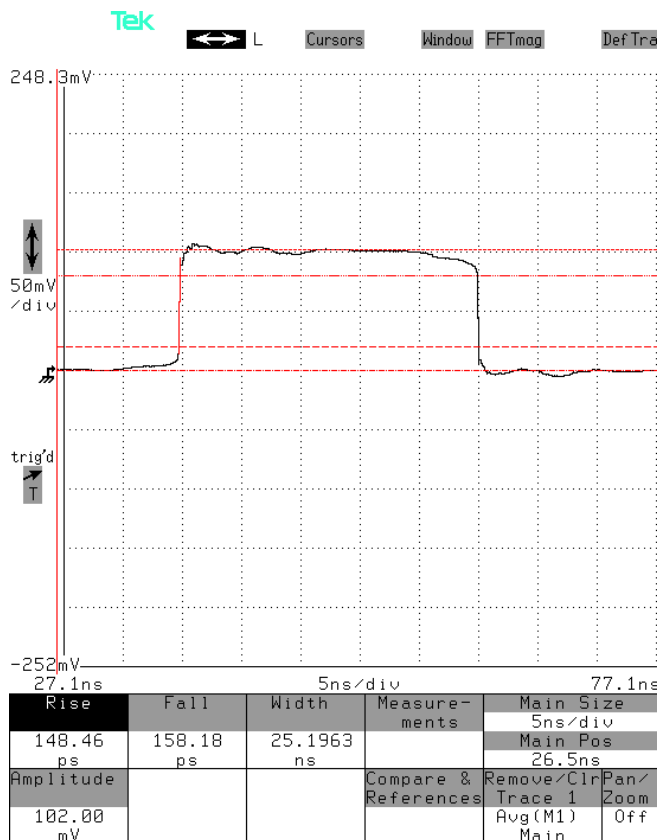
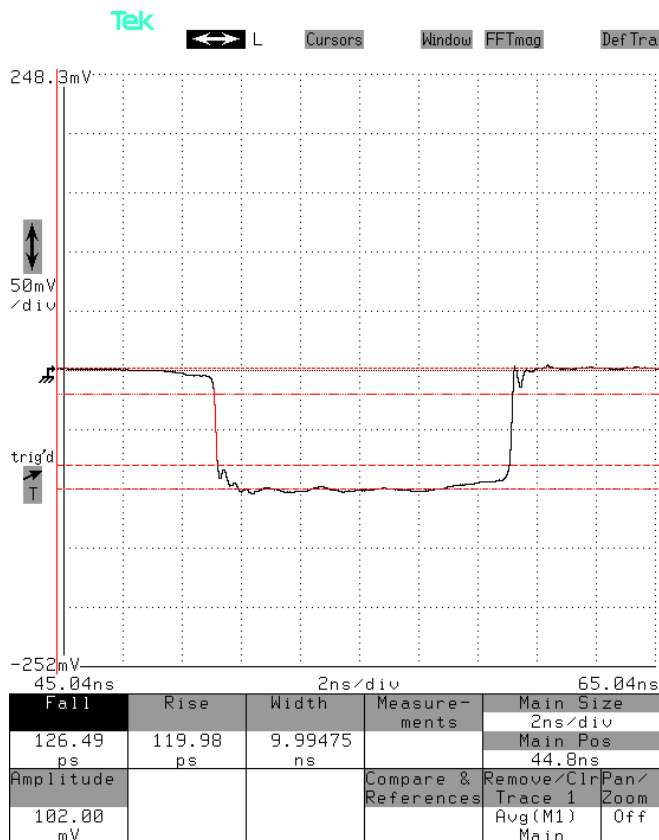
Output Amplitude: up to  $\pm 10V$ , to 50 $\Omega$   
Pulse Width (FWHM): 10 ns – 10  $\mu$ s  
Rise Time (20%-80%):  $\leq 200$  ps  
Fall Time (80%-20%):  $\leq 200$  ps  
PRF: 1 Hz - 1 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

### Test Waveforms

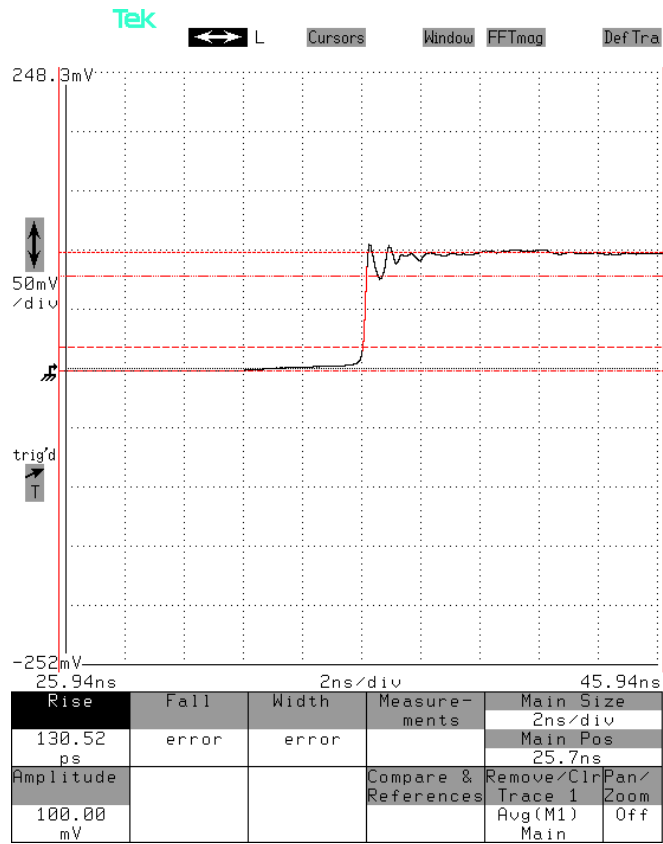
Full pulse at 1 MHz, 10 ns, -10V,  
2 ns/div. 5 V/div (50 mV/div  $\times$  40 dB):

Full pulse at 100 kHz, 25 ns, +10V,  
5 ns/div. 5 V/div (50 mV/div  $\times$  40 dB):



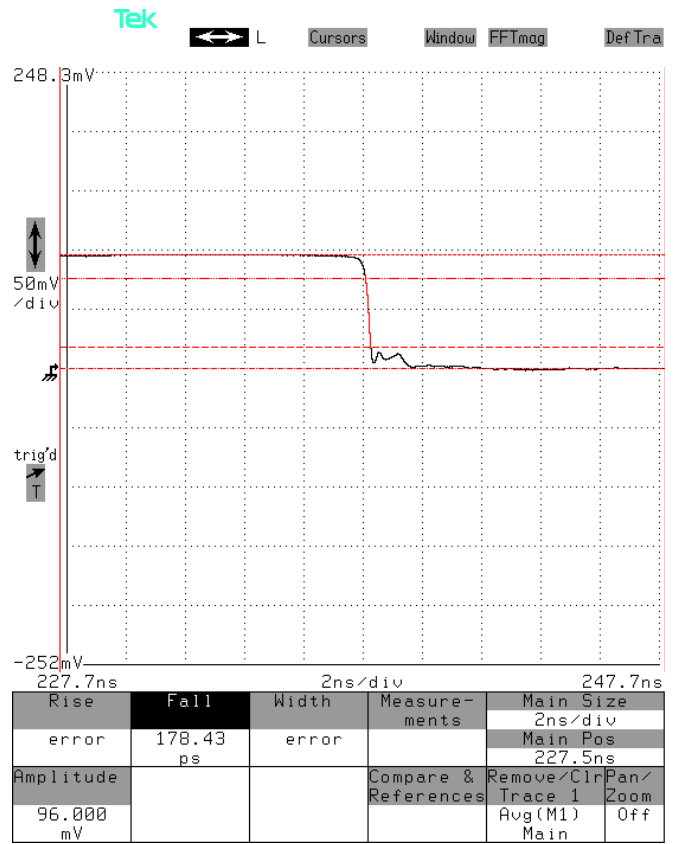
Rising edge at 100 kHz, 200 ns, +10V,

2 ns/div. 5 V/div (50 mV/div × 40 dB):



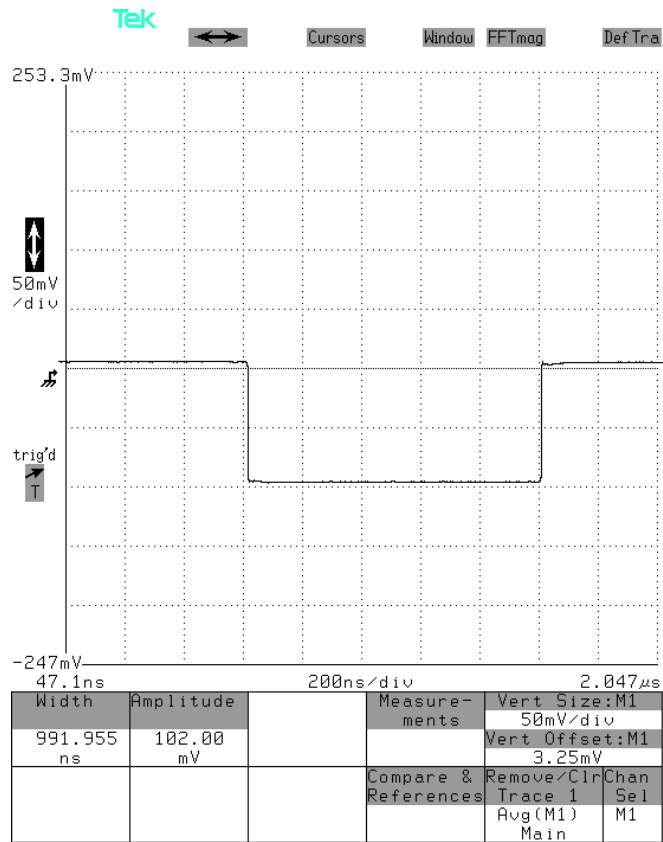
Falling edge at 100 kHz, 200 ns, +10V,

2 ns/div. 5 V/div (50 mV/div × 40 dB):



Full pulse at 100 kHz, 1 us, -10V,

200 ns/div. 5 V/div (50 mV/div × 40 dB):



Full pulse at 2 kHz, 10 us, +10V,

2 us/div. 5 V/div (50 mV/div × 40 dB):

