



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

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, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AVR-E1-B-PN-W3  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13880  
Date: May 28, 2019

Output Amplitude: up to ±20V, to 50Ω  
Pulse Width (FWHM): 1 ns to 5 us  
Rise Time (20%-80%): ≤ 300 ps  
Fall Time (80%-20%): ≤ 600 ps  
PRF: 1 Hz - 20 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

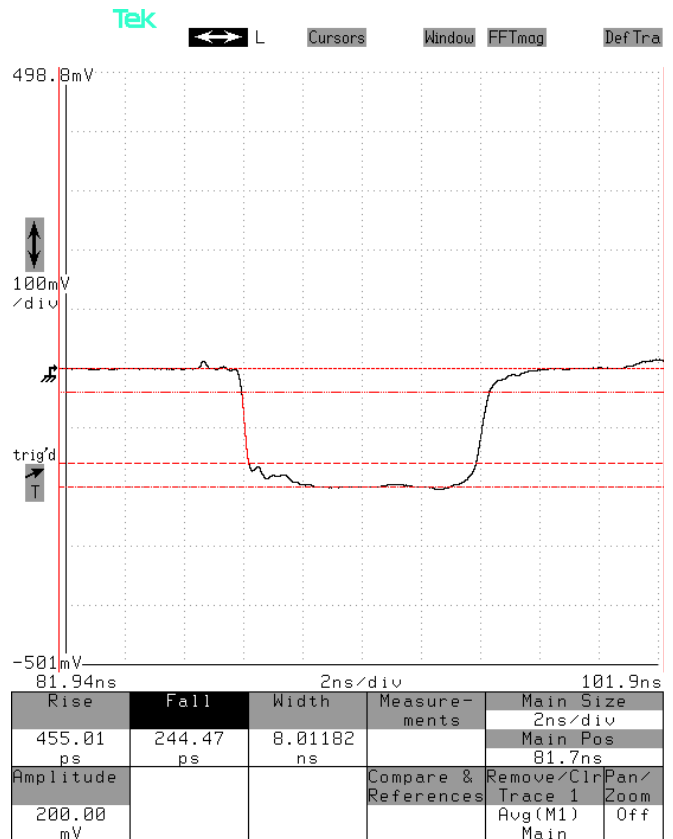
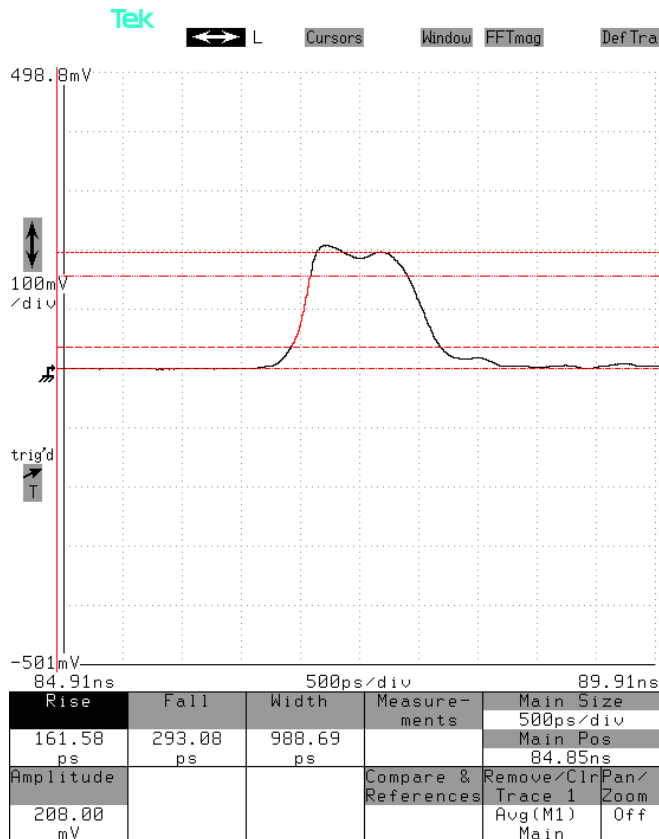
Test Waveforms

20 kHz, 1 ns, +20V,

20 kHz, 8 ns, -20V,

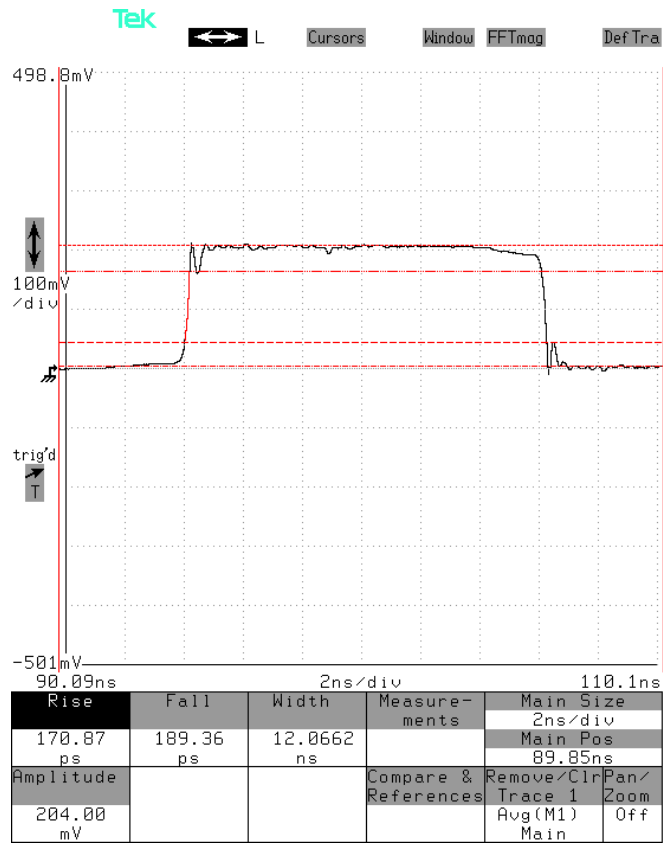
500 ps/div. 10 V/div (100 mV/div × 40 dB):

2 ns/div. 10 V/div (100 mV/div × 40 dB):



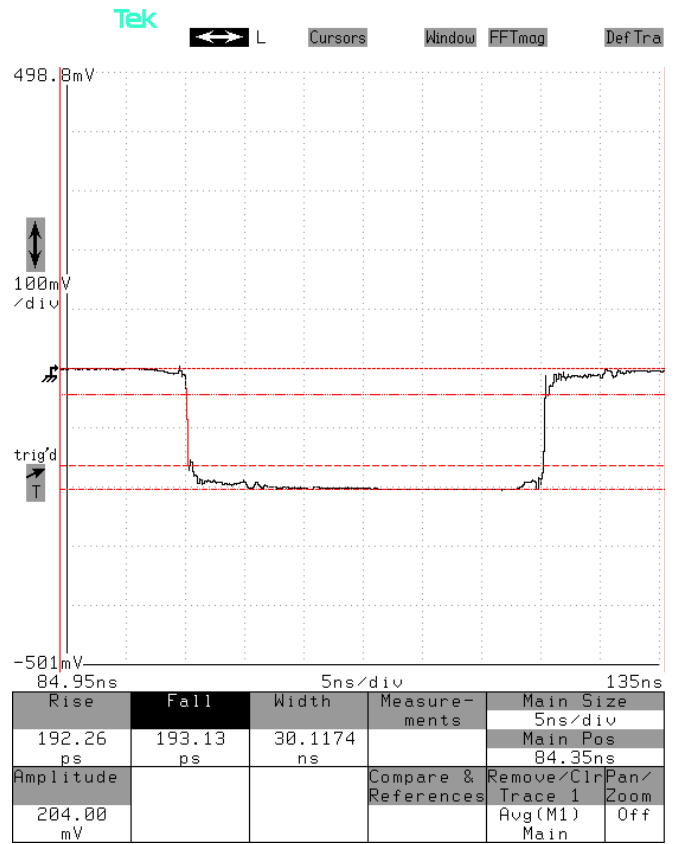
20 kHz, 12 ns, +20V,

2 ns/div. 10 V/div (100 mV/div × 40 dB):



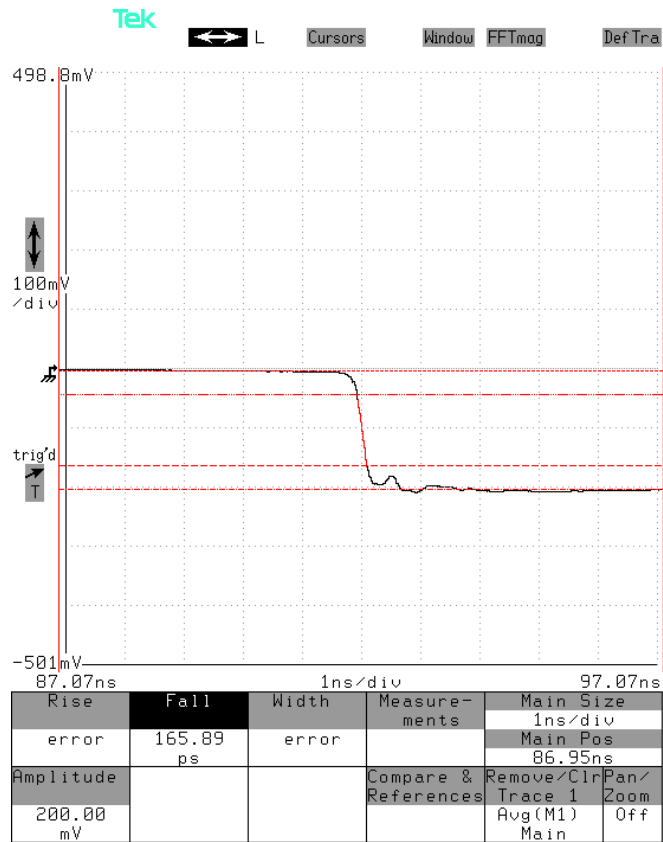
20 kHz, 30 ns, -20V,

5 ns/div. 10 V/div (100 mV/div × 40 dB):



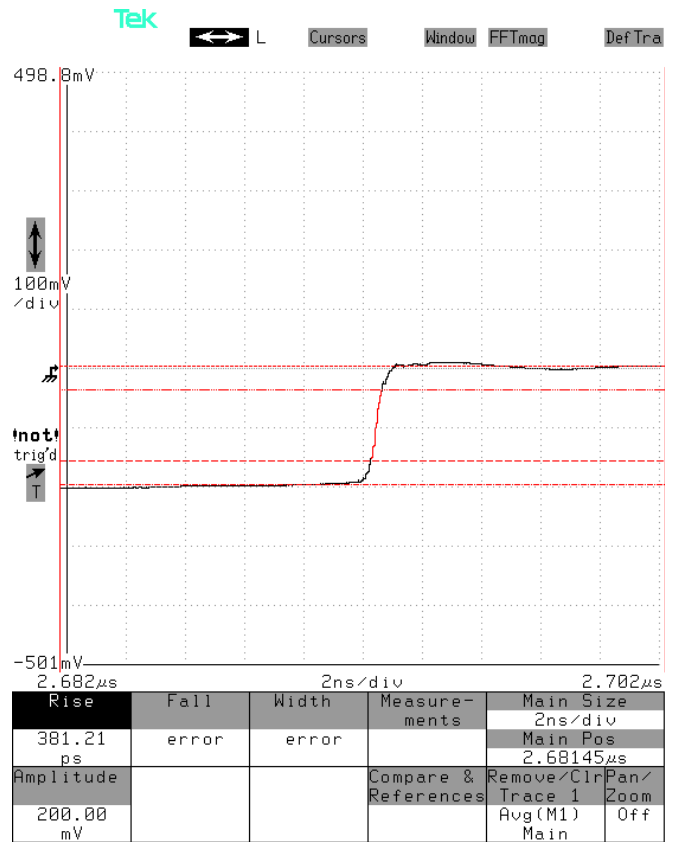
20 kHz, 2.5 us, -20V, leading edge,

1 ns/div. 10 V/div (100 mV/div × 40 dB):



20 kHz, 2.5 us, -20V, trailing edge,

2 ns/div. 10 V/div (100 mV/div × 40 dB):



10 kHz, 5 us, +20V,

1 us/div. 10 V/div (100 mV/div × 40 dB):

