

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

Tel: 888-670-8729 (USA & Canada)  
or +1-613-686-6675 (Worldwide)

BOX 5120, LCD MERIVALE  
OTTAWA, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AV-1030-B  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 14379  
Date: October 30, 2023

Output Amplitude: up to  $\pm 5V$ , to 50 $\Omega$   
Pulse Width (FWHM): 10 ns – 1 ms  
Rise Time (20%-80%):  $\leq 300$  ps  
Fall Time (80%-20%):  $\leq 350$  ps  
PRF: 1 Hz - 10 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

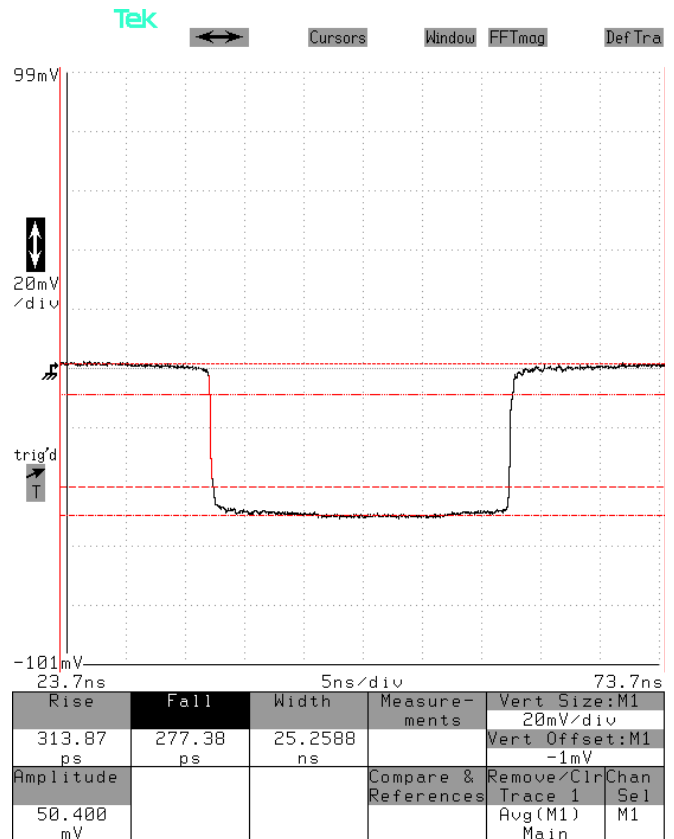
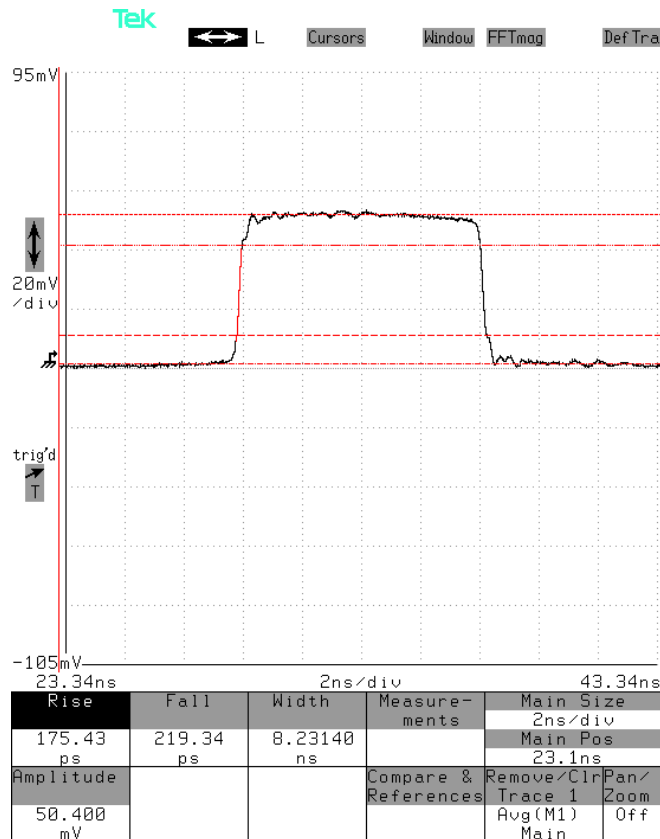
Test Waveforms

10 MHz, > +5V, < 10 ns PW:

2 ns/div. 2 V/div (200 mV/div  $\times$  20 dB):

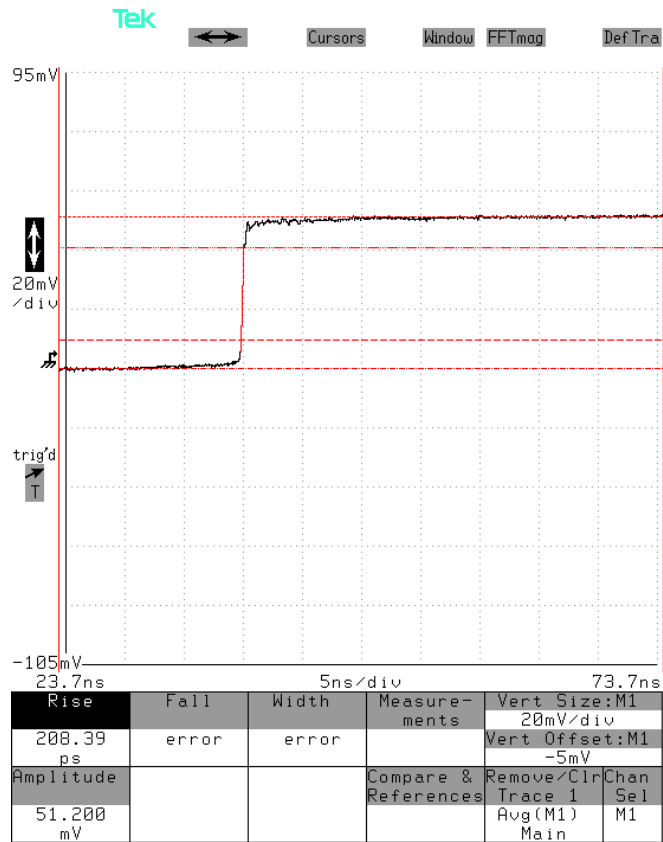
1 MHz, > -5V, 25 ns PW:

5 ns/div. 2 V/div (200 mV/div  $\times$  20 dB):



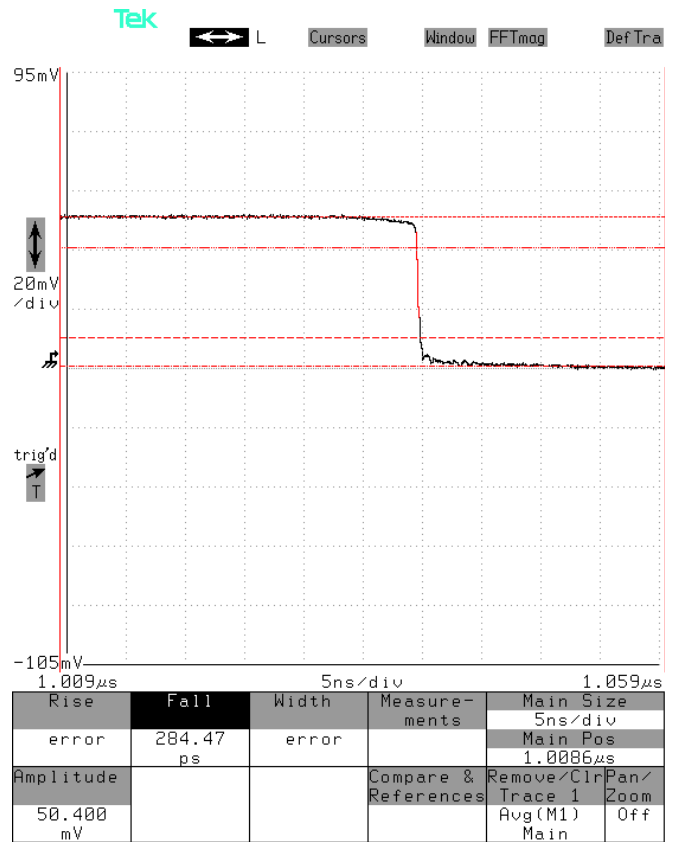
100 kHz, > +5V, 1 us PW, rising edge shown,

5 ns/div. 2 V/div (200 mV/div × 20 dB):



100 kHz, > +5V, 1 us PW, falling edge shown,

5 ns/div. 2 V/div (200 mV/div × 20 dB):



1 kHz, > -5V, 100 us PW,

20 us/div. 2 V/div (200 mV/div × 20 dB):

