



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 3H4

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

PERFORMANCE CHECKSHEET

Model: AVPP-1-B-TNT-AK1-EA-M-OT-PN
Type: Ultra-High-Speed Pulse Generator
S.N.: 12118
Date: November 19, 2008

Output Amplitude: 0 to ±10V, to 50Ω
Pulse Width (FWHM): 0.4 – 100 ns
Rise Time (20%-80%): ≤ 100 ps or 150 ps
Fall Time (80%-20%): ≤ 120 ps or 350 ps
PRF: 1 Hz - 1 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

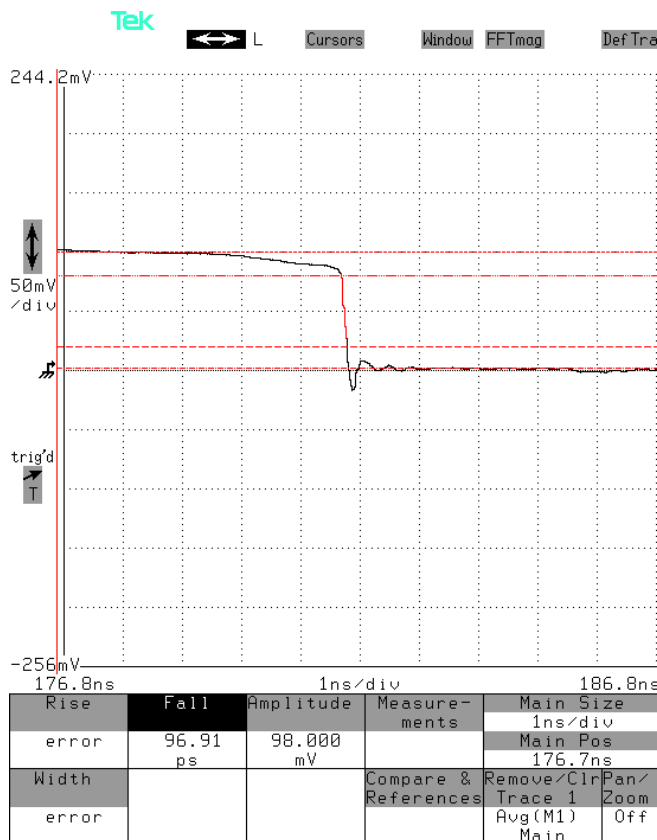
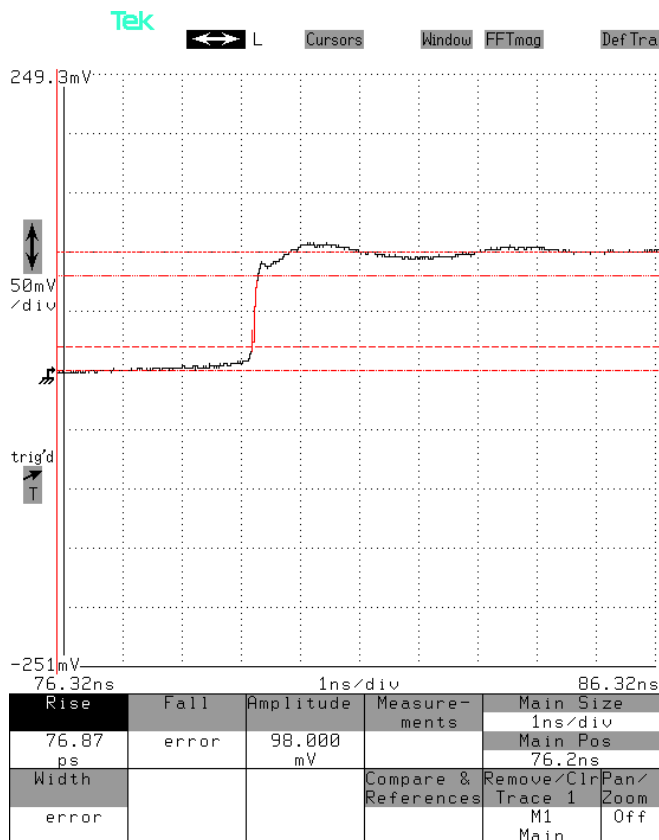
Test Waveforms

Leading edge at 100 kHz, 100 ns, +10V,

1 ns/div. 5 V/div (50 mV × 40 dB):

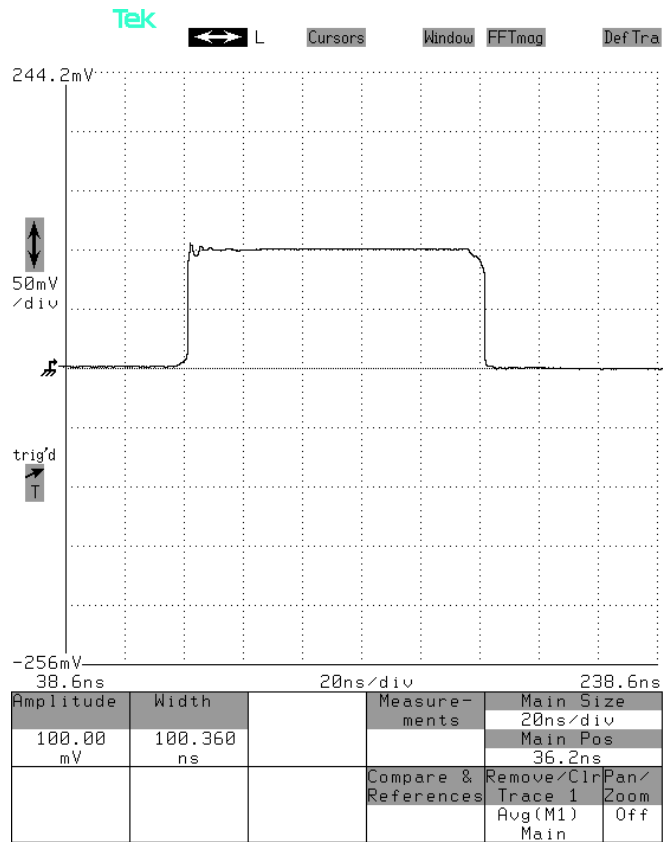
Trailing edge at 100 kHz, 100 ns, +10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



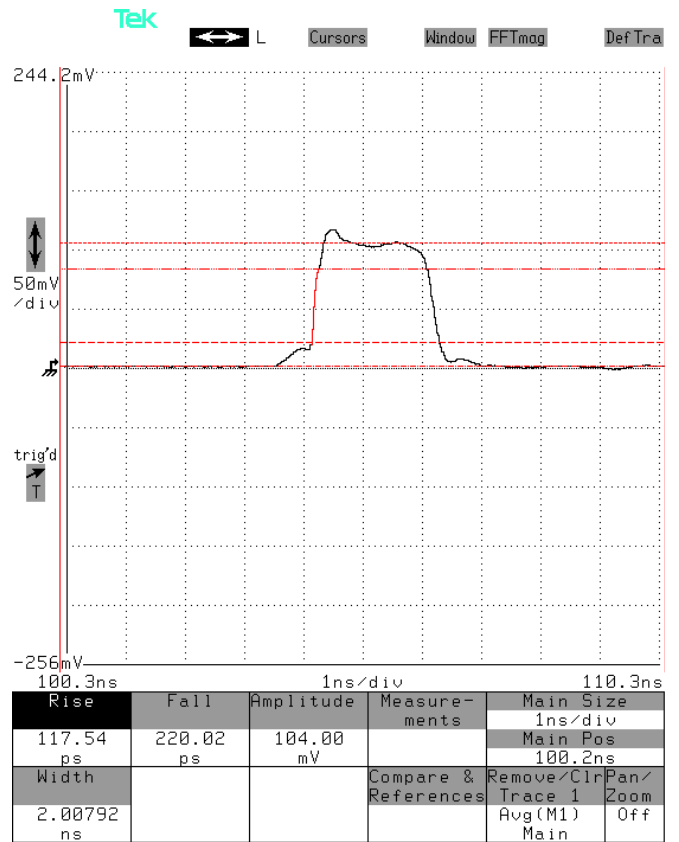
Full pulse at 100 kHz, 100 ns, +10V,

20 ns/div. 5 V/div (50 mV × 40 dB):



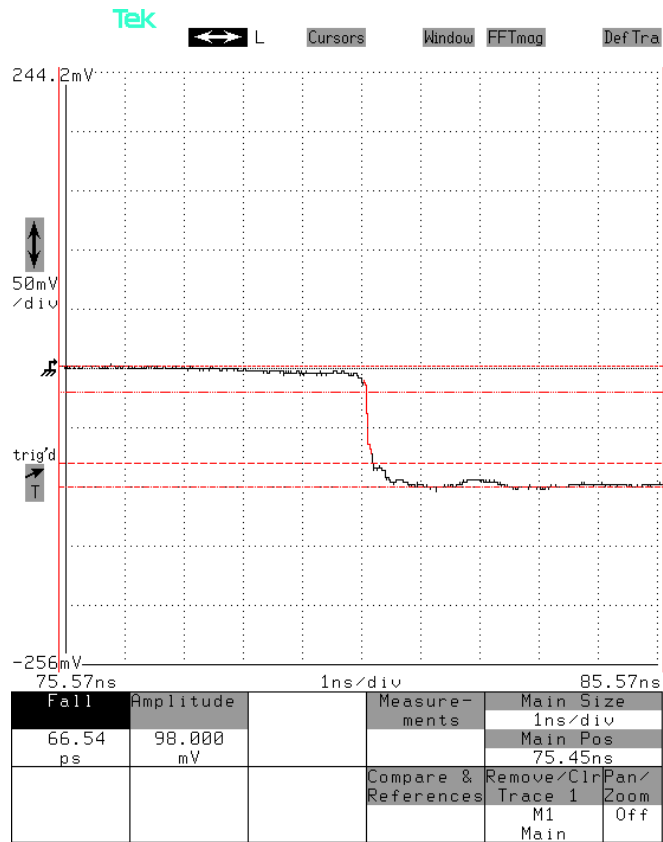
Full pulse at 100 kHz, 2 ns, +10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



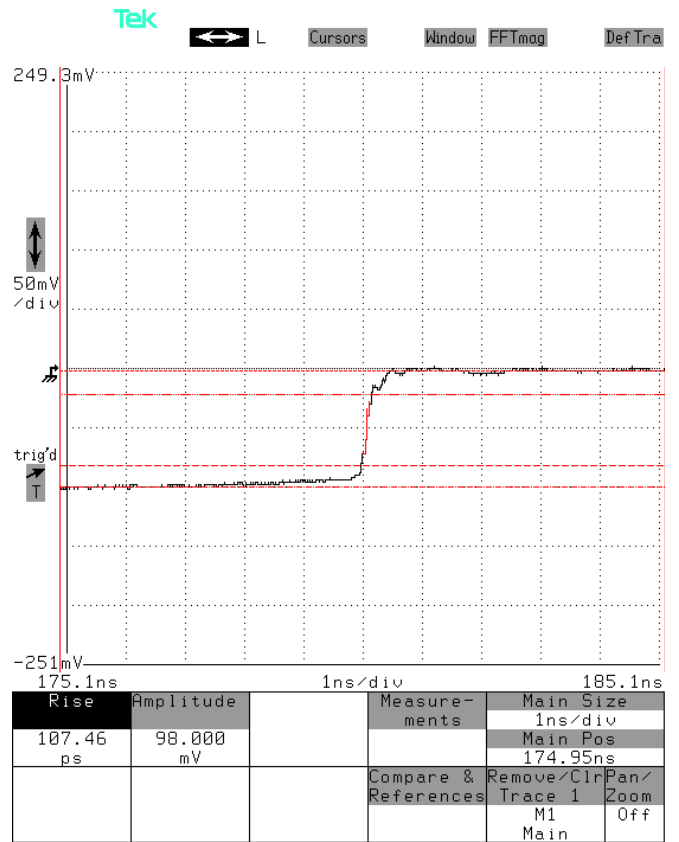
Leading edge at 100 kHz, 100 ns, -10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



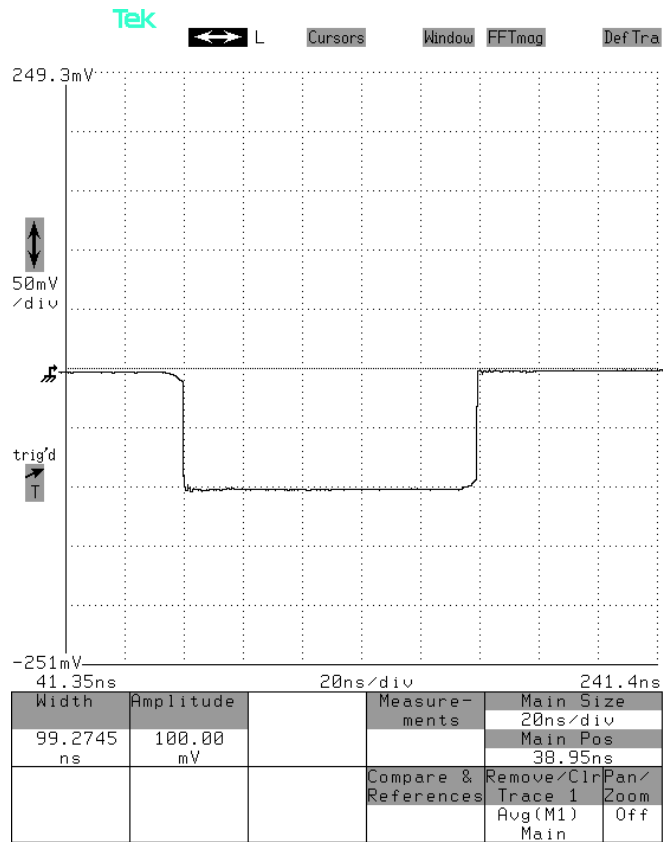
Trailing edge at 100 kHz, 100 ns, -10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



Full pulse at 100 kHz, 100 ns, -10V,

20 ns/div. 5 V/div (50 mV × 40 dB):



Full pulse at 100 kHz, 2 ns, -10V,

1 ns/div. 5 V/div (50 mV × 40 dB):

