

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: AVR-E3-B-PN
Type: Ultra-High-Speed Pulse Generator
S.N.: 13170
Date: June 17, 2014

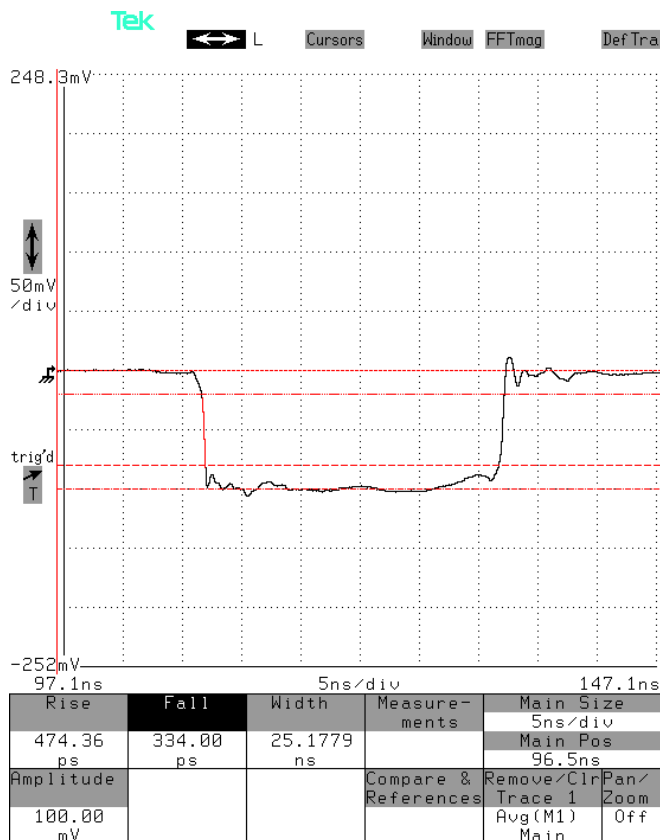
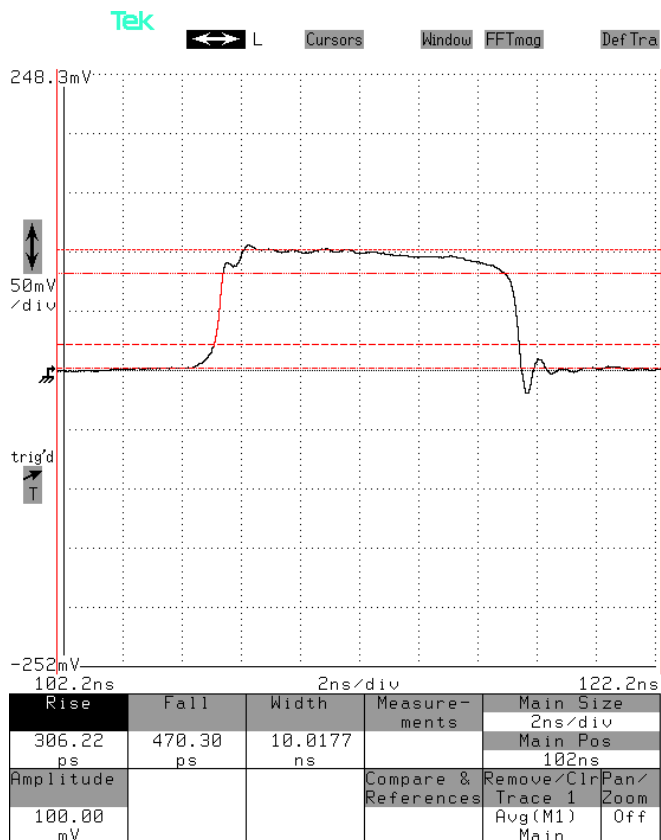
Output Amplitude: up to +100V, to 50Ω
Pulse Width (FWHM): 10 ns – 200 ns
Rise Time (20%-80%): ≤ 0.5 ns
Fall Time (80%-20%): ≤ 1 ns
PRF: 1 Hz – 100 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

Test Waveforms

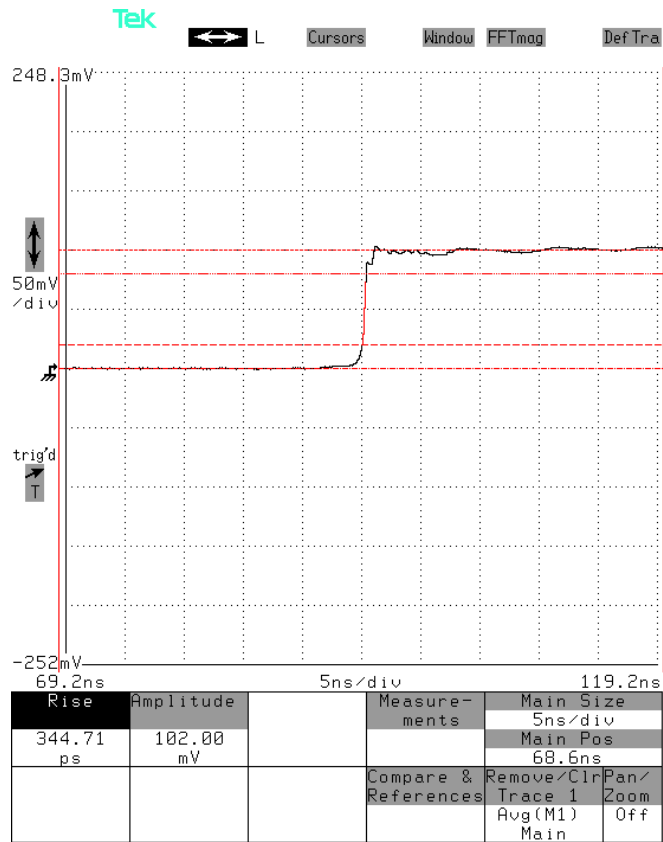
Full pulse at 100 kHz, 10 ns, +100V,
2 ns/div. 50 V/div (50 mV/div × 60 dB):

Full pulse at 100 kHz, 25 ns, -100V,
5 ns/div. 50 V/div (50 mV/div × 60 dB):



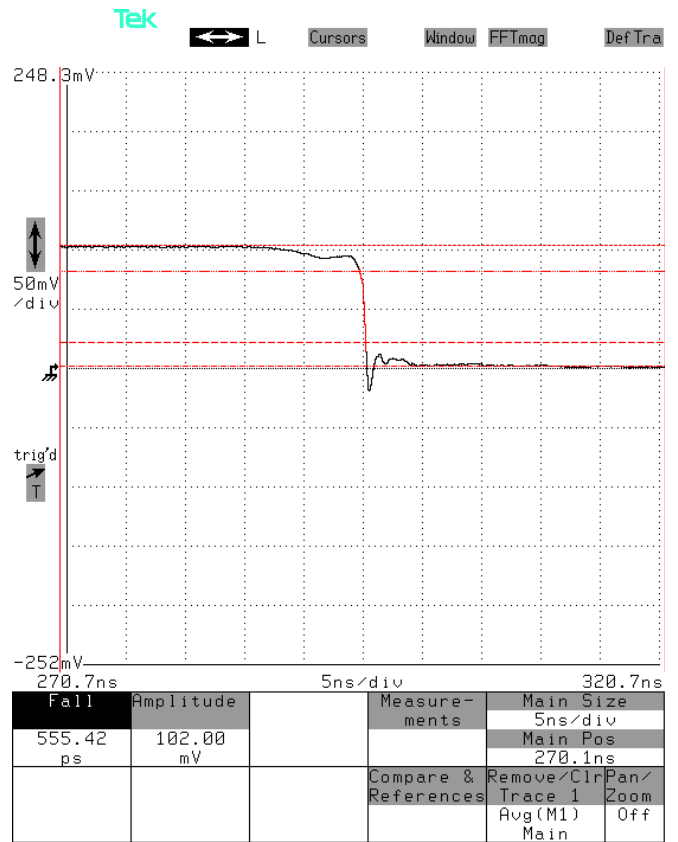
Leading edge at 10 kHz, 200 ns, +100V,

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



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

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



Full pulse at 10 kHz, 200 ns, +100V,

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

