



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: AVIR-4D-B-PN-VXI-EA-M-OT-R5
Type: Ultra-High-Speed Pulse Generator
S.N.: 13645
Date: November 16, 2017

Output Amplitude: up to $\pm 200V$, to 50Ω
Pulse Width (FWHM): 4 – 1000 ns
Rise Time (20%-80%): ≤ 2 ns
Fall Time (80%-20%): ≤ 2.5 ns
PRF: 1 Hz – 20 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

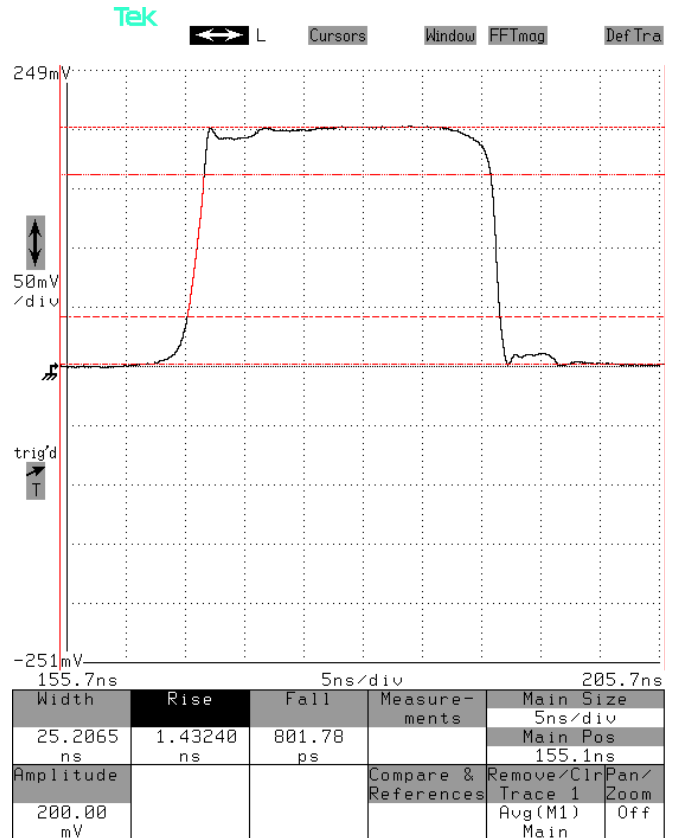
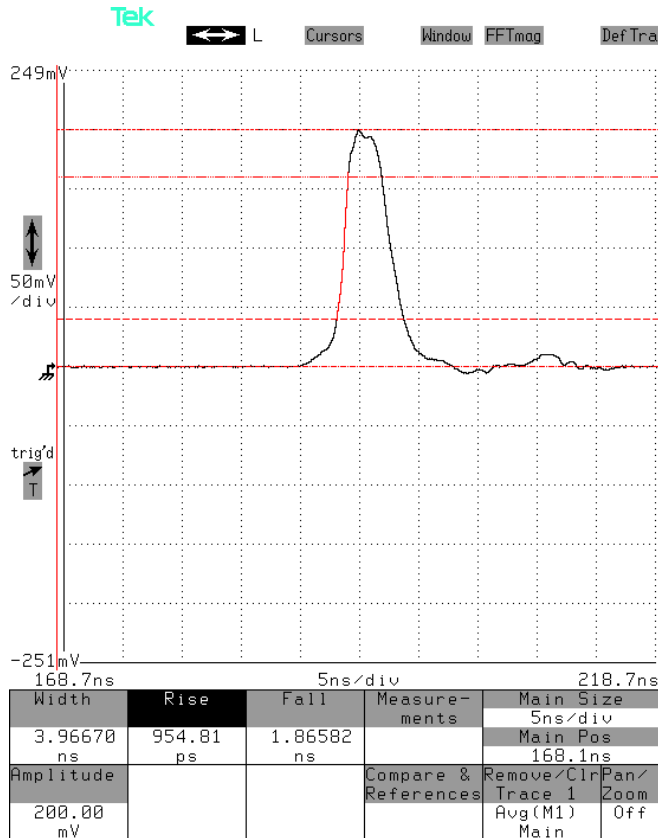
Test Waveforms

Full pulse at 20 kHz, 4 ns, +200V,

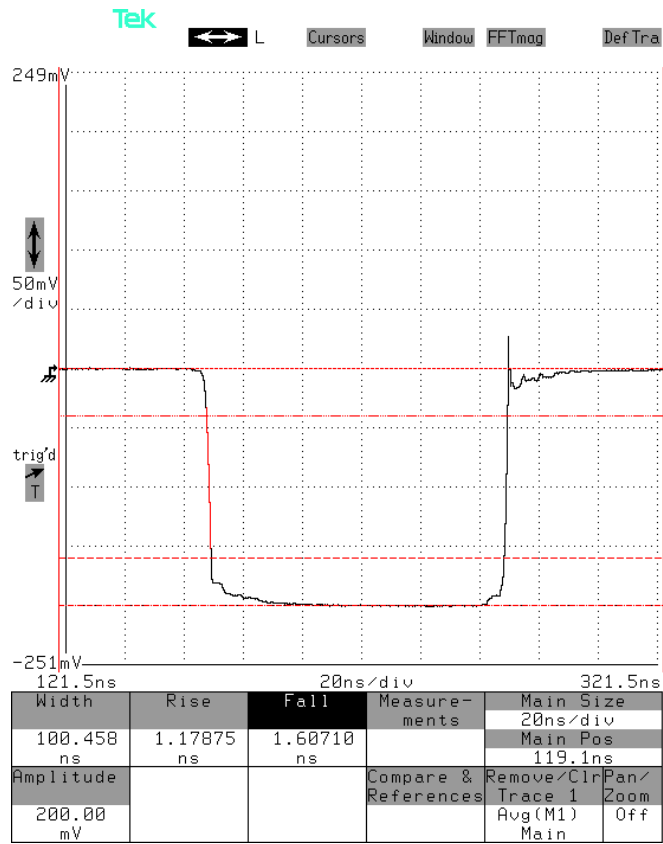
Full pulse at 20 kHz, 25 ns, +200V,

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

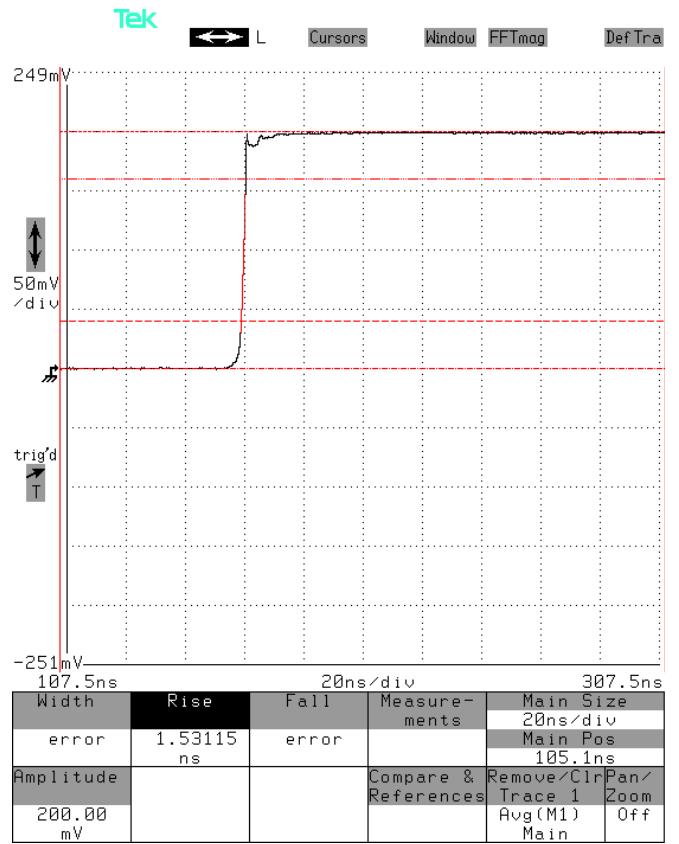
5 ns/div. 50 V/div (50 mV/div \times 60 dB):



Full pulse at 20 kHz, 100 ns, -200V,
 20 ns/div. 50 V/div (50 mV/div × 60 dB):



Leading edge at 4 kHz, 1 us, +200V,
 20 ns/div. 50 V/div (50 mV/div × 60 dB):



Trailing edge at 4 kHz, 1 us, -200V,

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

