



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: AVG-4B-B-PN-M-AC02
Type: Ultra-High-Speed Impulse Generator
S.N.: 13242
Date: December 17, 2014

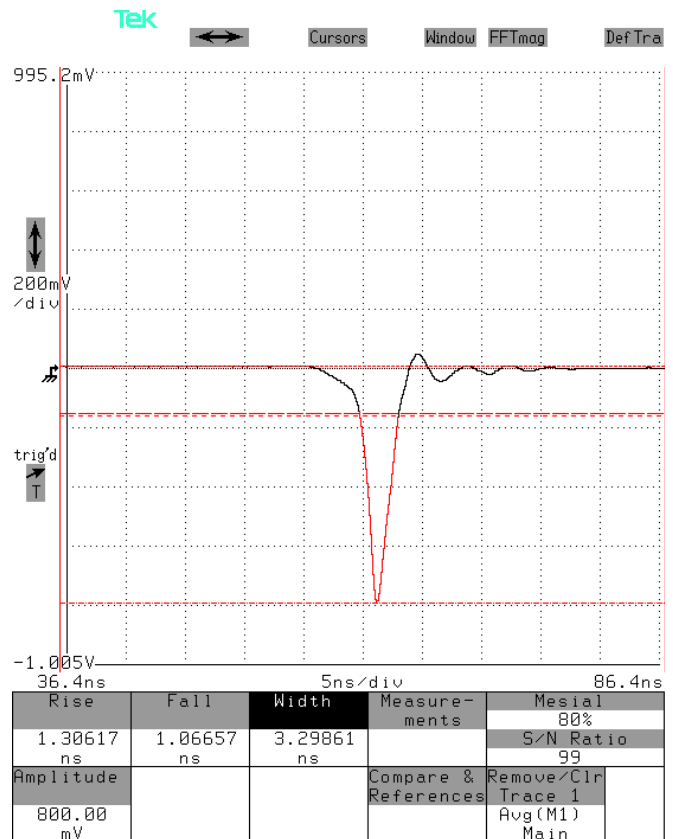
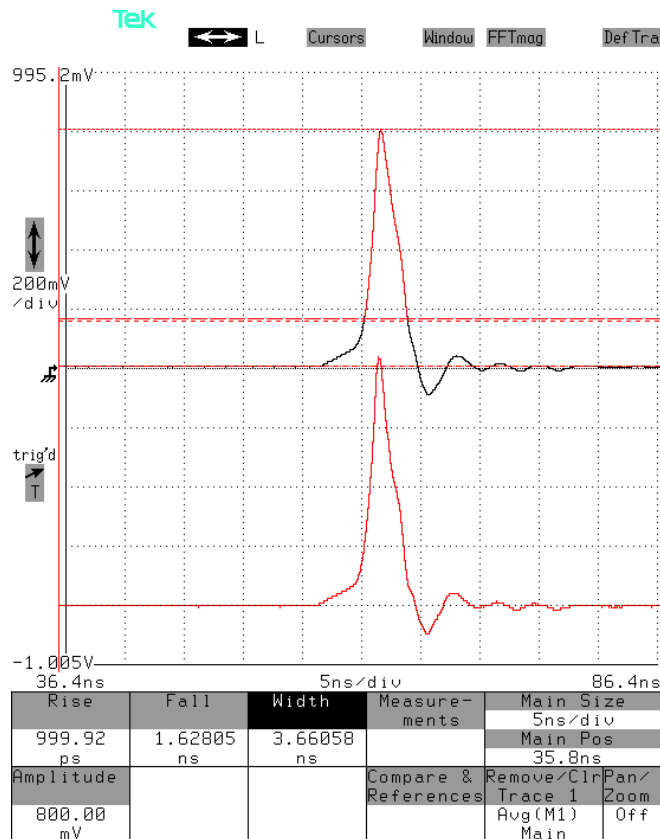
Output Amplitude: up to $\pm 800V$, to 50Ω
Pulse Width (at 20%): $< 6ns$
Rise Time (20%-80%): $\leq 2 ns$
Fall Time (80%-20%): $\leq 3.5 ns$
PRF: 1 Hz - 10 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

Test Waveforms

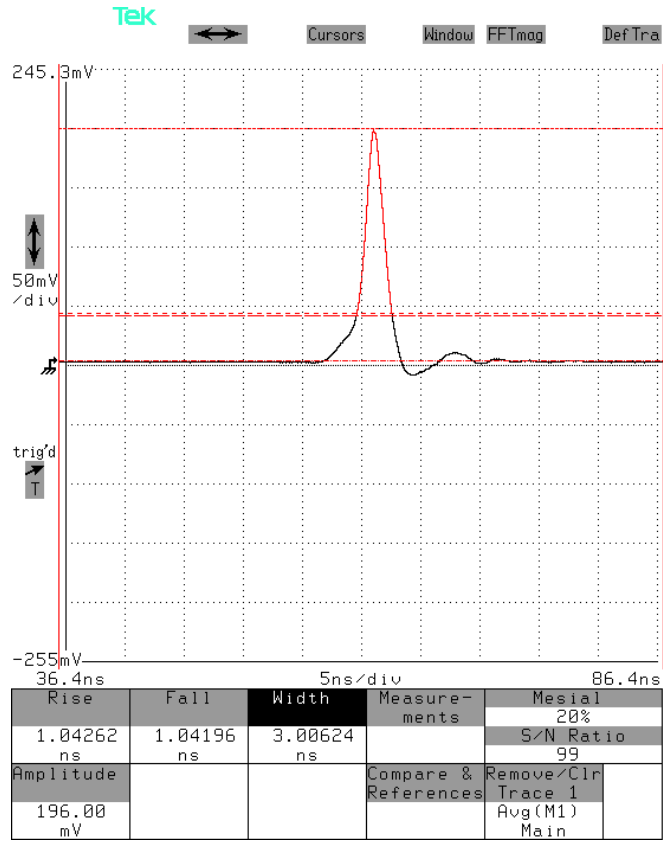
Top: main output, 10 kHz, +800V,
5 ns/div. 200 V/div (200 mV/div \times 60 dB):

Main output, 10 kHz, -800V,
5 ns/div. 200 V/div (200 mV/div \times 60 dB):



Bottom waveform: Monitor output into 50 Ohms.
20 V/div (200 mV/div \times 40 dB)

Main output, 10 kHz, +200V,
5 ns/div. 50 V/div (50 mV/div × 60 dB):



Main output, 10 kHz, -200V,
5 ns/div. 50 V/div (50 mV/div × 60 dB):

