

AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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BOX 5120, LCD MERIVALE
OTTAWA, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AVL-5-B-PN-TR
Type: Ultra-High-Speed Pulse Generator
S.N.: 14551
Date: April 1, 2025

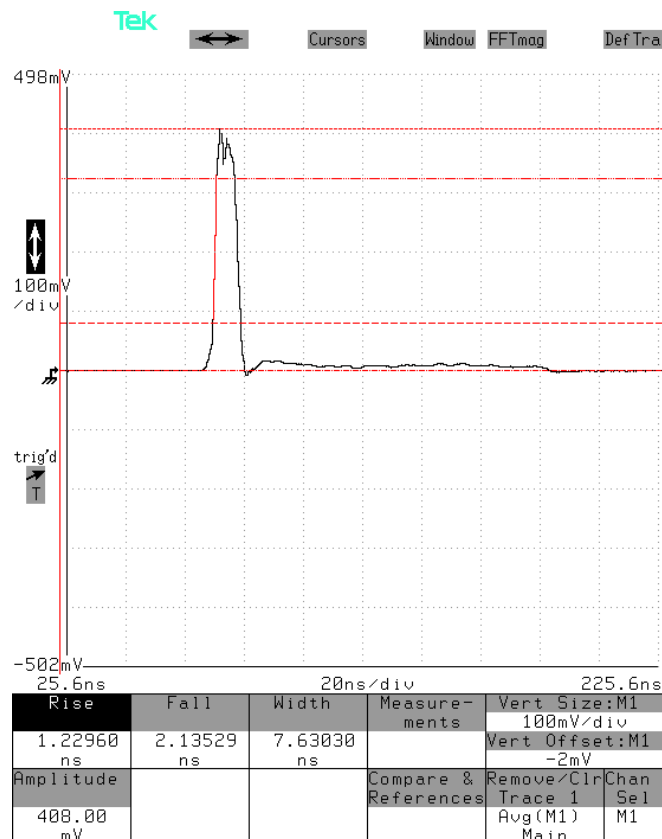
Basic specifications: →

Output Amplitude: up to $\pm 400V$, to 50Ω
Pulse Width (FWHM): 8 – 100 ns
Rise Time (20%-80%): ≤ 2.5 ns
Fall Time (80%-20%): ≤ 5 ns
PRF: 1 Hz - 2 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Test Waveforms

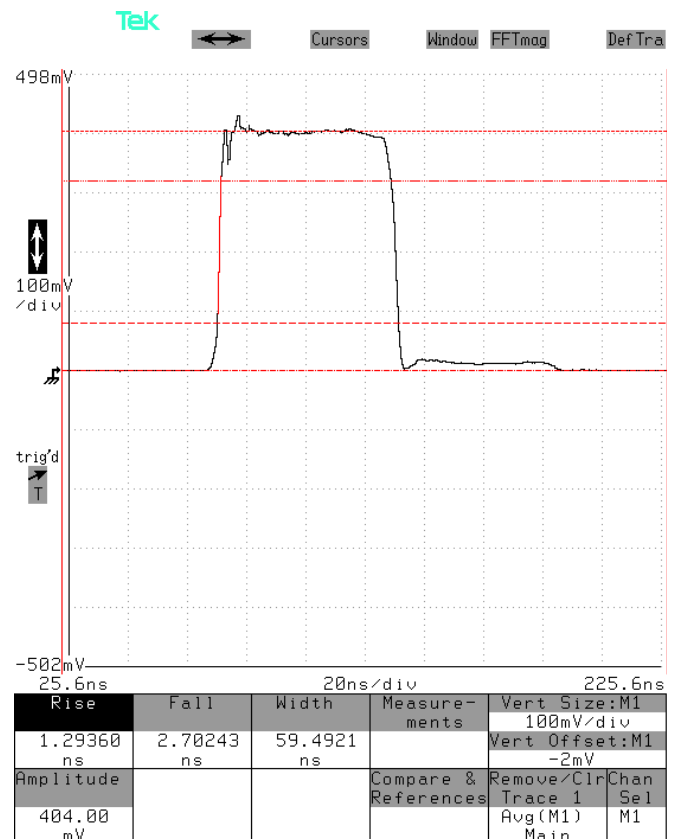
2 kHz, < 8 ns, > +400V,

20 ns/div. 100 V/div (100 mV/div $\times$ 60 dB):



2 kHz, 60 ns, +400V,

20 ns/div. 100 V/div (100 mV/div $\times$ 60 dB):



2 kHz, 90 ns, -400V,

20 ns/div. 100 V/div (100 mV/div × 60 dB):

