



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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BOX 5120, LCD MERIVALE
OTTAWA, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AVRK-4-B-PN-TR-SIL-DPF
Type: High Voltage Pulse Generator
S.N.: 14545
Date: March 26, 2025

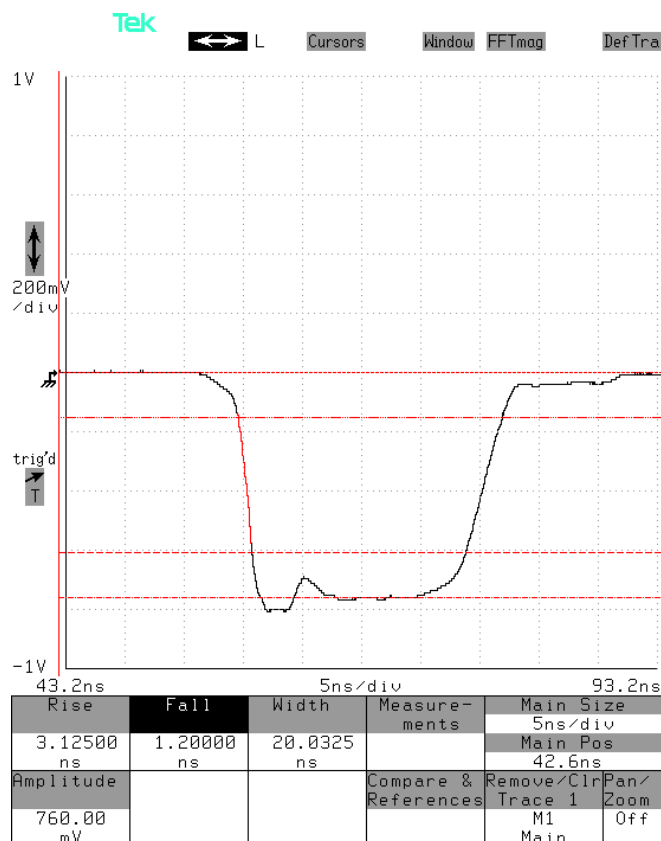
Basic specifications: →

Output Amplitude: up to $\pm 750V$, to 50Ω
Pulse Width (FWHM): 6 to 20 ns
Rise Time (20%-80%): ≤ 2 ns
Fall Time (80%-20%): varies with PW/amp
PRF: 1 Hz - 1 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz

Test Waveforms

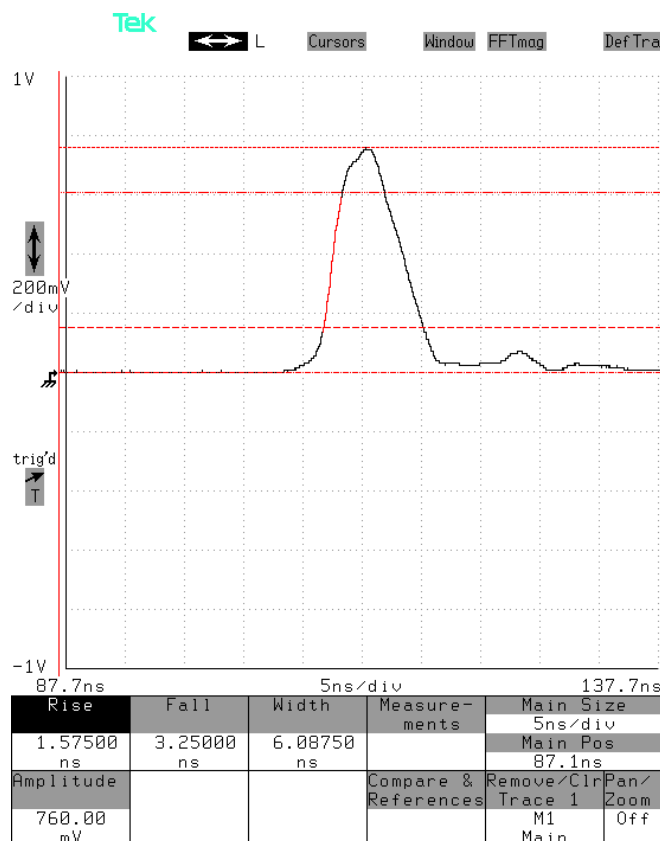
CH1, 1 kHz, 20 ns, -750V, into 50Ω

5 ns/div, 200 V/div (200 mV/div $\times$ 60 dB)



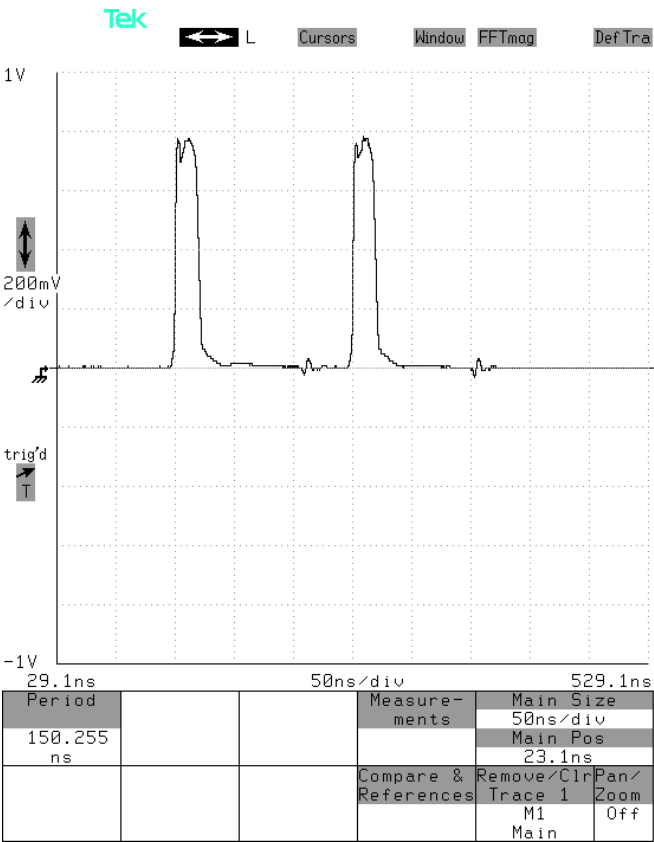
CH2, 1 kHz, 6 ns, +750V, into 50Ω

5 ns/div, 200 V/div (200 mV/div $\times$ 60 dB)



Pulse doublet, 1 kHz, both 20 ns, both +750V, into 50Ω

50 ns/div, 200 V/div (200 mV/div × 60 dB)



Pulse doublet, 1 kHz, both 6 ns, both +750V, into 50Ω

50 ns/div, 200 V/div (200 mV/div × 60 dB)

