

AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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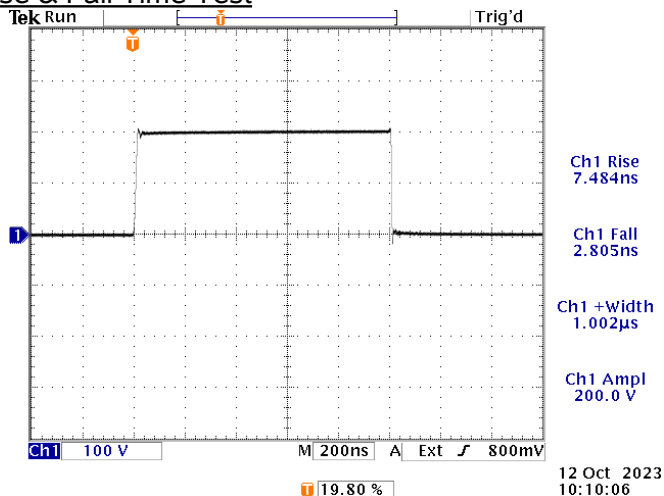
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or +1-613-686-6675 (Worldwide)

BOX 5120, LCD MERIVALE
OTTAWA, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AVR-3HE-B-LV-AC22-P
Type: High Voltage Pulse Generator
S.N.: 14373
Date: October 12, 2023

Rise & Fall Time Test



1 kHz, 1 us, +200V into a 50Ω load.
100 V/div, 200 ns/div.

a) Output Signal Amplitude: up to +200V

b) Pulse Width (FWHM): 50 ns - 100 us,
10% duty cycle

c) Rise Time (20%-80%): < 10 ns

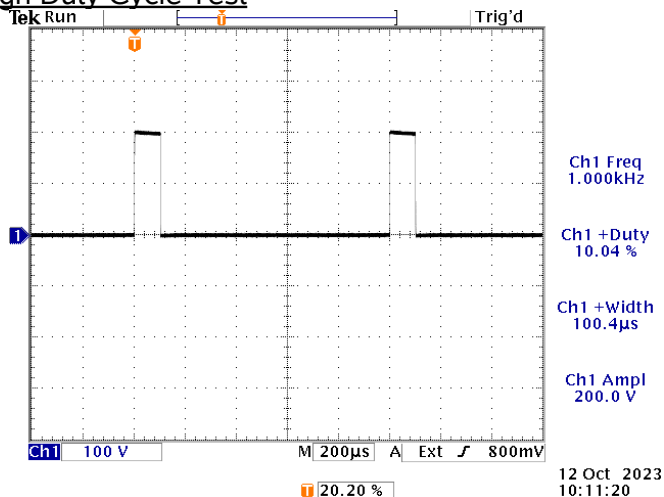
d) Fall Time (80%-20%): < 10 ns

e) PRF: 1 Hz - 100 kHz

f) Jitter, Stability: OK

g) Prime Power: 100-240V AC, 50-60 Hz.

High Duty Cycle Test



1 kHz, 100 us, +200V into a 50Ω load.
100 V/div, 200 us/div.

References levels: 20%, 80%.