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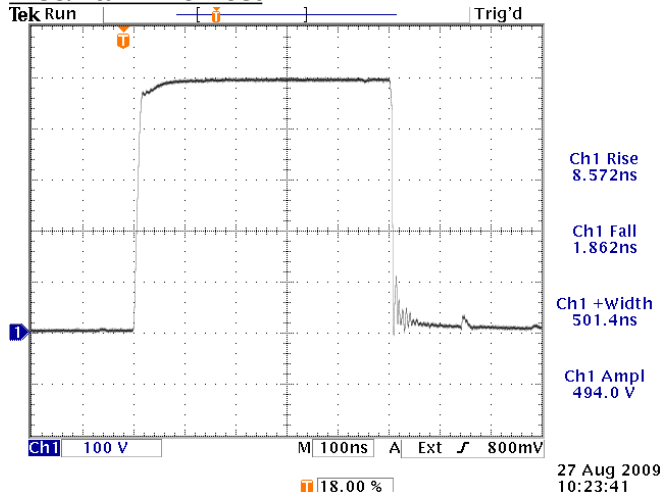
BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H4

info@avtechpulse.com - http://www.avtechpulse.com/

PERFORMANCE CHECKSHEET

Model: AVRZ-5W-B-INV
Type: High-Speed, High-Voltage Pulse Generator
S.N.: 12310
Date: August 27, 2009

Rise/Fall Time Test



+500V, 50Ω load, PW = 500 ns. 100 V/div, 100 ns/div.

a) Output Signal Amplitude: 0 to +500V, to 50Ω

b) Pulse Width: 15 ns - 10 us, 0.1% duty cycle

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

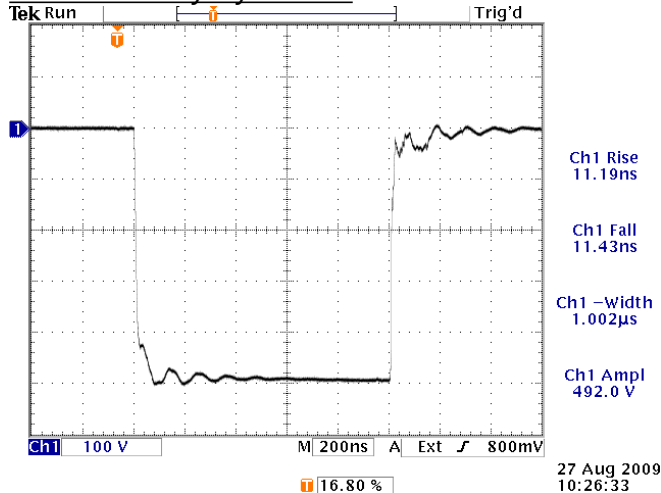
d) Fall Time (80%-20%): < 5 ns

e) PRF: 1 Hz - 5 kHz

f) Jitter, Stability: OK

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

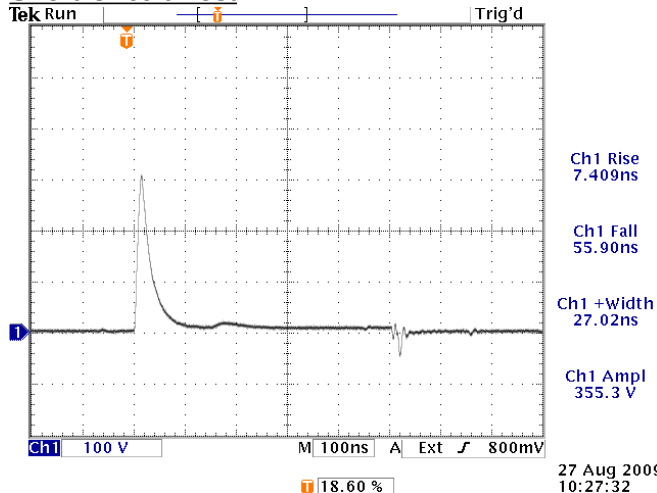
Maximum Duty Cycle Test



-500V (inverted using AVX-R5), 50Ω load, PW = 1 us, PRF = 1 kHz. 100 V/div, 200 ns/div.

Reference levels: 20%, 80%.

Short Circuit Test



500 ns, +500V into a 50Ω load shorted with a 12" length of patch cord. 100 V/div, 100 ns/div.