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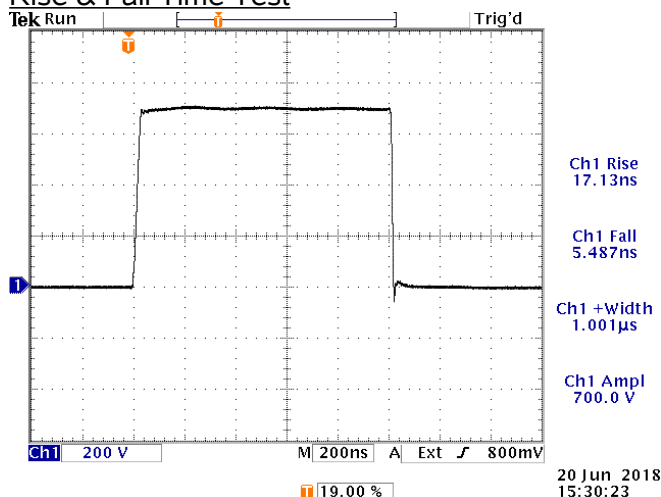
BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H5

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

PERFORMANCE CHECKSHEET

Model: AVR-7B-B-P-R50
Type: High Voltage Pulse Generator
S.N.: 13750
Date: June 20, 2018

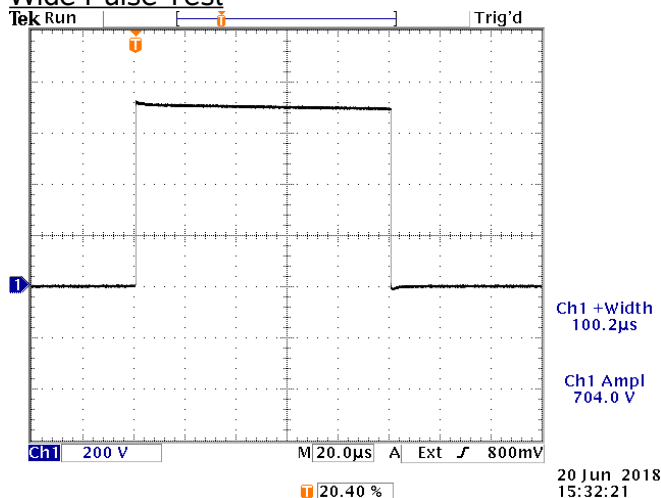
Rise & Fall Time Test



10 Hz, 1 us, +700V, ZOUT=0, into a 50Ω load.
200 V/div, 200 ns/div.

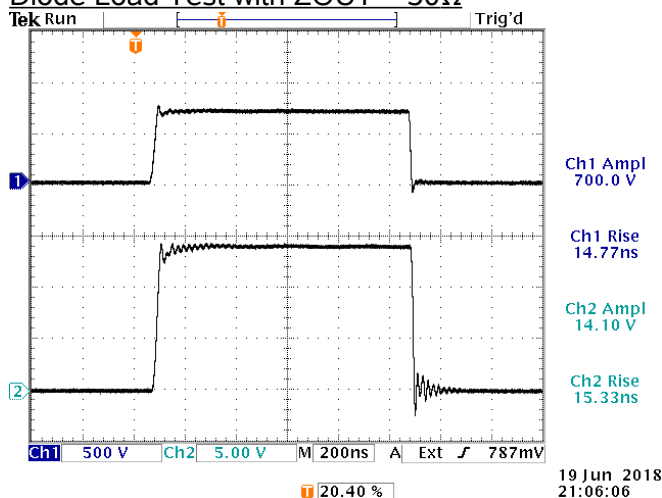
- a) Output Signal Amplitude: up to +700V
- b) Pulse Width (FWHM): 100 ns - 100 us
- c) Rise Time (20%-80%): < 30 ns (-R50 opt.)
- d) Fall Time (20%-80%): < 30 ns (-R50 opt.)
- e) PRF: 1 Hz - 10 kHz
- f) Jitter, Stability: OK
- g) Prime Power: 100-240V AC, 50-60 Hz.

Wide Pulse Test



10 Hz, 100 us, +700V, ZOUT=0, into a 50Ω load.
200 V/div, 20 us/div.

Diode Load Test with ZOUT = 50Ω



Top: +700V pulse, internally (before ZOUT)
Bottom: resulting +14A current through a BY255P-E3/54 diode connected to the output using 6 feet of coaxial cabling, measured with a CT2 current probe (1V/A).