

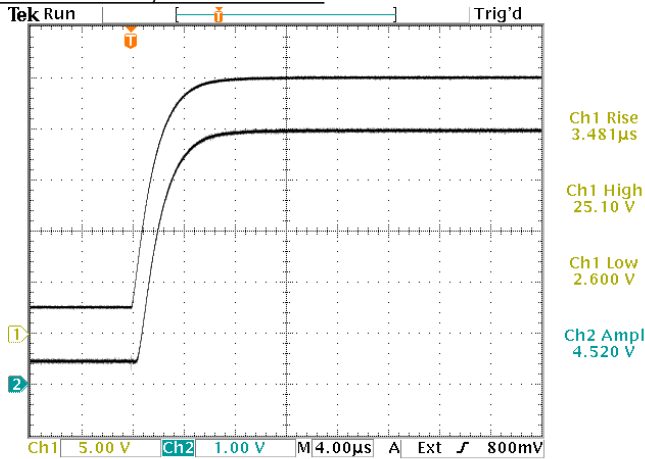
PULSE GENERATOR
PERFORMANCE CHECK

Model: AV-156A-B-HC-R5-RP

S.N.: 10751

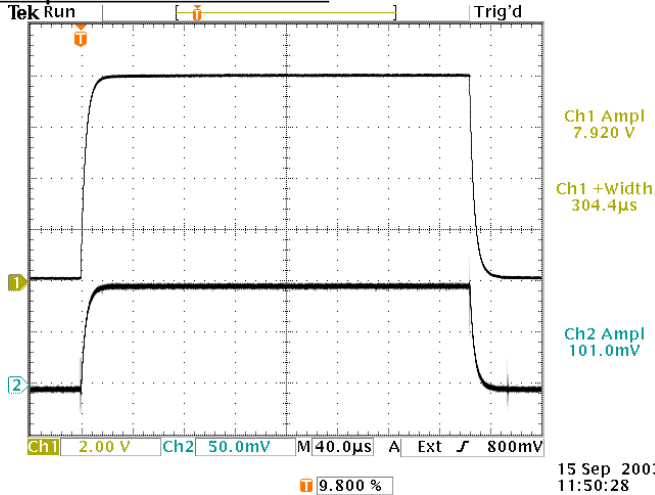
Date: September 15, 2003

Rise Time Test, to 5 Ohms:



Top: OUT, 4.5A amplitude with 0.5A offset into 5.018Ω
10ms PW, 20 Hz PRF, 5V/div, 4 us/div
Bot: Monitor output into 10kΩ load, 1V/div, 4 us/div

High Impedance Load Test:



Top: OUT, 100 mA amplitude into 80Ω
300 us PW, 20 Hz PRF, 2V/div, 40 us/div
Bot: Monitor output into 10kΩ load, 0.05V/div, 40 us/div

a) Output Signal Amplitude: 0-5A

b) DC Offset: 0 - 500 mA

c) Pulse Width: 10 us - 10 ms

d) Rise Time: < 4 us (for $R_L < 5\Omega$)

e) Fall Time: < 4 us (for $R_L < 5\Omega$)

f) PRF: 0.1Hz - 10 kHz

g) Jitter, Stability: OK

h) Prime Power: 120/240V AC, 50-60 Hz.