

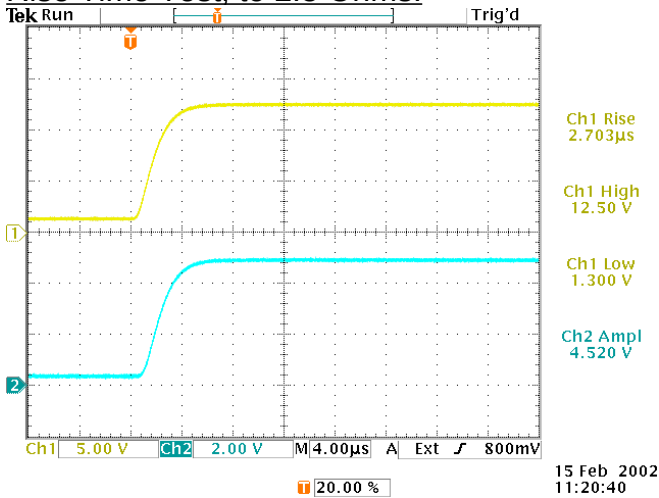
PULSE GENERATOR  
PERFORMANCE CHECK

Model: AV-156A-B

S.N.: 8837 (repair, and modification to improve operation at 100 Ohms)

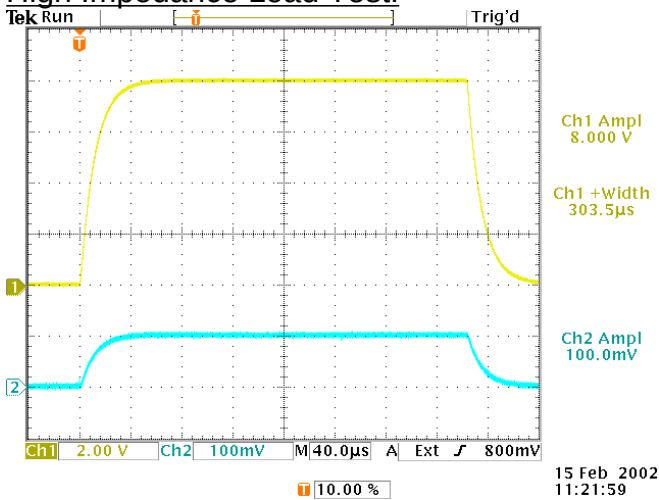
Date: February 15, 2002

Rise Time Test, to 2.5 Ohms:



Top: OUT, 4.5A amplitude with 0.5A offset into 2.5Ω  
10ms PW, 20 Hz PRF, 5V/div, 4 us/div  
Bot: Monitor output into 10kΩ load, 2V/div, 4 us/div

High Impedance Load Test:



Top: OUT, 100 mA amplitude into 80Ω  
300 us PW, 20 Hz PRF, 5V/div, 40 us/div  
Bot: Monitor output into 10kΩ load, 0.1V/div, 40 us/div

a) Output Signal Amplitude: 0-5A

b) DC Offset: 0 - 500 mA

c) Pulse Width: 10 μs - 10 ms

d) Rise Time: < 4 μs

e) Fall Time: < 4 μs

f) PRF: 0.1Hz - 10 kHz

g) Jitter, Stability: OK

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