PULSE GENERATOR

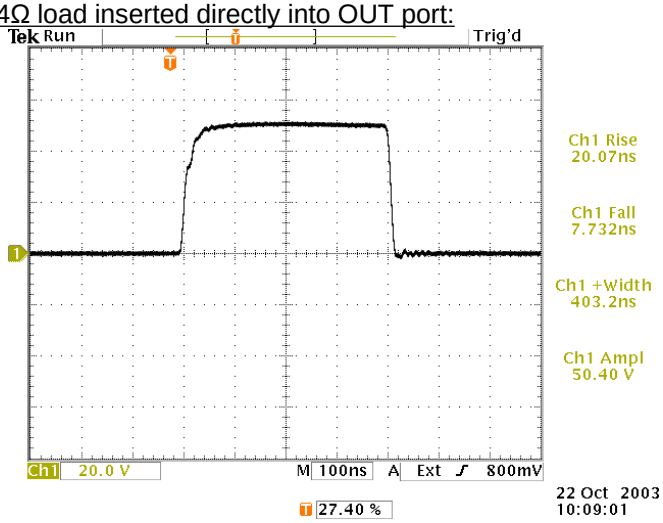
PERFORMANCE CHECK

Model: AVOZ-A2-B-P-EA-S5-UPA

S.N.: 10750

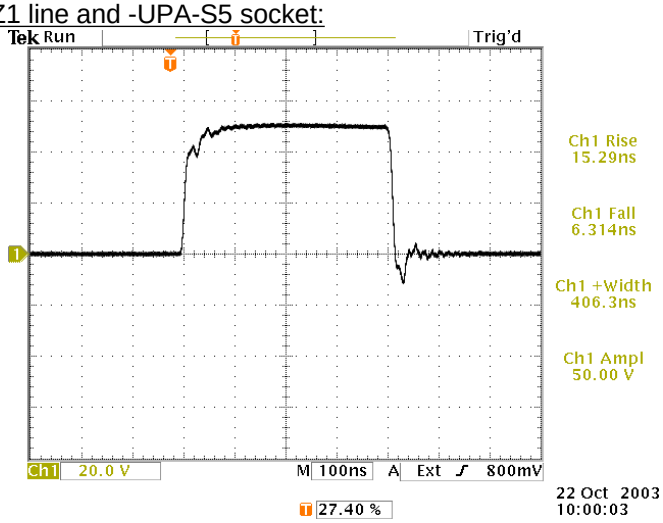
Date: October 22, 2003

Test with 0.94Ω load inserted directly into OUT port:



+50V into 0.94Ω, 400 ns pulse width. (The load is soldered onto a circuit board, which is inserted directly into the “OUT” connector. No LZ line is used.) 20 V/div, 100 ns/div.

Test using LZ1 line and -UPA-S5 socket:



+50V into the -UPA-S5 output board / LZ line, which consists of a 60 cm section of LZ1 line, a 0.94Ω resistance and a short section of #24 AWG bus bar wire inserted in the socket. The distortions on the waveform are caused by the non-zero inductance of the bus bar wire.

Reference levels: 20%, 80%.

a) Output Signal Amplitude: 0 to +50 V to ≥ 1.0 Ohms (i.e., 0 to +50 Amps)

b) Pulse Width: 40 ns - 1 us (maximum duty cycle 0.4%)

c) Rise Time: ≤ 30 ns (20%-80%)

d) Fall Time: ≤ 10 ns (80%-20%)

e) PRF: 0 - 20 kHz (maximum duty cycle 0.4%)

f) Jitter, Stability: OK

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