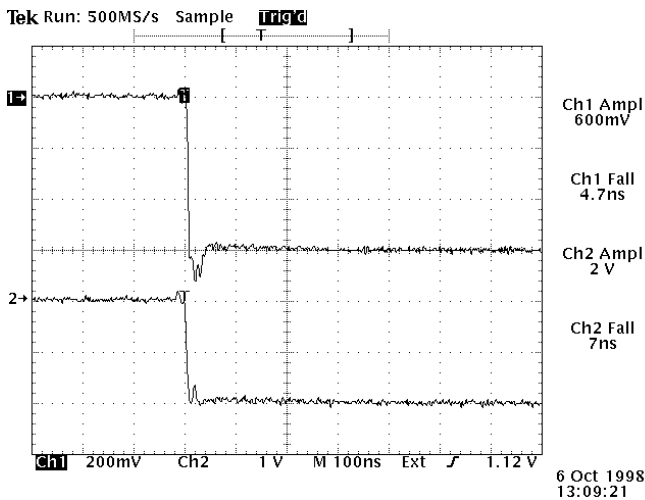


PULSE GENERATOR
PERFORMANCE CHECK

Model: AV-155A-C-E-EW-EO-LZ3-S5-M-OP1B

S.N.: 8584

Date: October 6, 1998



Top: OUT, 200 mA into 3Ω load on end of LZ3 line.
Internal Trigger mode. 200 mV/div, 100 ns/div.
Note $t_R \ll 10$ ns
Bottom: Monitor output, 10 kΩ load. 1V/div, 100 ns/div

a) Output Signal Amplitude: 0 to -200mA,
plus 0 to -200 mA offset

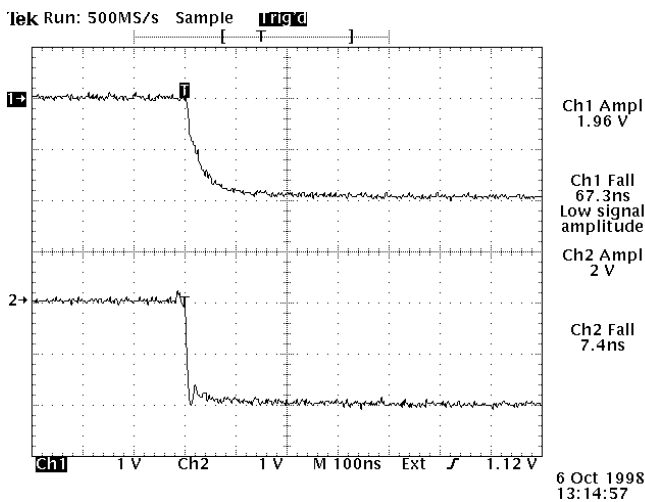
b) Pulse Width: 20 ns - 2 us

c) Rise Time: < 10 ns

d) Fall Time: < 10 ns

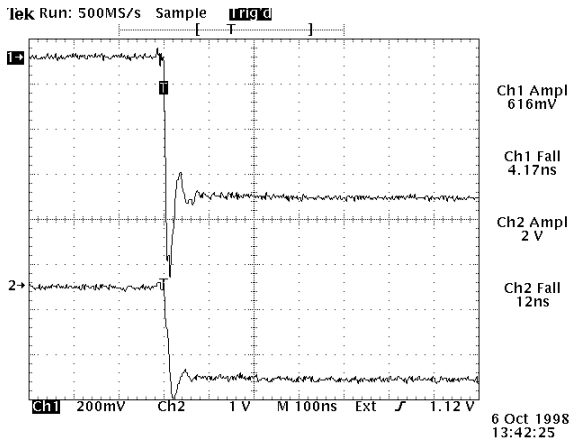
e) PRF: 1 - 10 MHz

f) Jitter, Stability: OK



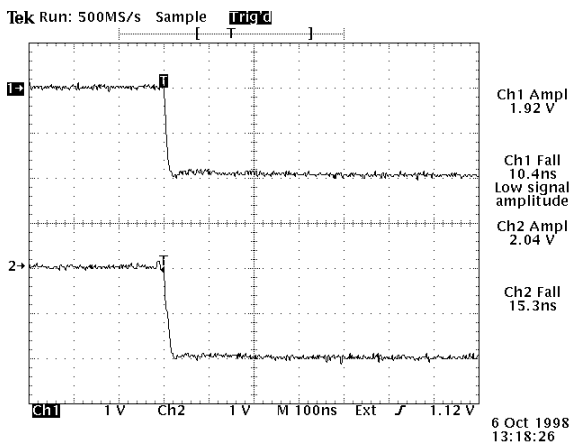
Top: OUT, 200 mA into 10Ω load on end of LZ3 line.
Internal Trigger mode. 1 V/div, 100 ns/div.
Bottom: Monitor output, 10 kΩ load. 1V/div, 100 ns/div

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



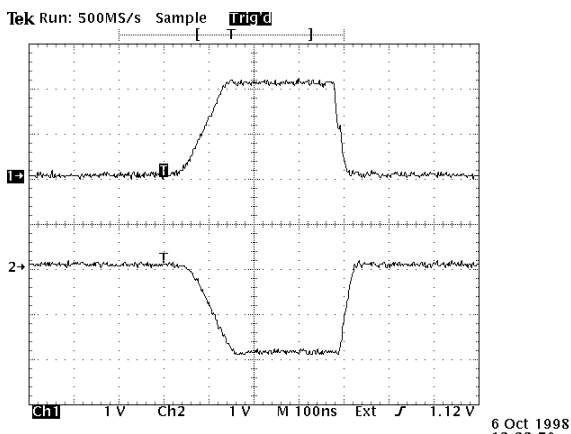
Top: OUT, 200 mA into 3Ω load on end of 6" RG174 line. 200 mV/div, 100 ns/div.
Internal Trigger Mode.

Bottom: Monitor output, 10 kΩ load. 1V/div, 100 ns/div



Top: OUT, 200 mA into 10Ω load on end of 6" RG174 line. 1 V/div, 100 ns/div.
Internal Trigger Mode.

Bottom: Monitor output, 10 kΩ load. 1V/div, 100 ns/div



Top: Arbitrary waveform V_{TRIG} , on rear-panel TRIG input connector. 1 V/div, 100 ns/div.

Bottom: OUT, External Amplify mode. $I_{OUT} \approx -100 \text{ mA/V} \times V_{TRIG}$, into 10Ω load on end of 6" RG174 line. 1V/div, 100 ns/div