

PULSE GENERATOR

PERFORMANCE CHECK

Model: AVO-3C-C-DECB-P

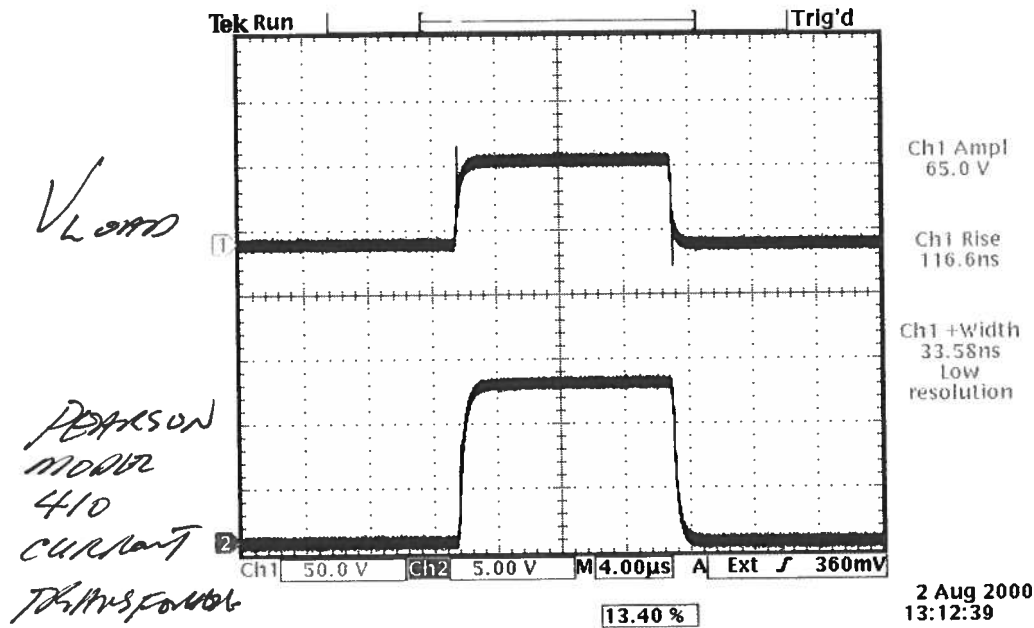
S.N.: 9424

Date: AUG 2 2000

- a) Output signal amplitude:
0 TO +100 VOLTS TO
RL 70.8Ω (125 AMP MAX)
- b) Pulse width:
10μS TO 1 mS
(50% MAX DUTY CYCLE)
- c) Rise time:
≤ 30S
- d) Fall time:
≤ 34S
- e) PRF: 0 TO 1 KHz
(50% MAX DUTY CYCLE)
- f) Jitter, stability:
OK
- g) Prime power:
a) 120/240 V, 50 60Hz
b) 0 TO +100 VDC,
62 AMP



Ⓐ NARROW PULSE, LOW DUTY CYCLE
 $R_L = 0.526 \Omega$ (Low inductance)
 $V_{DC} \sim +66 \text{ VOLTS}$.



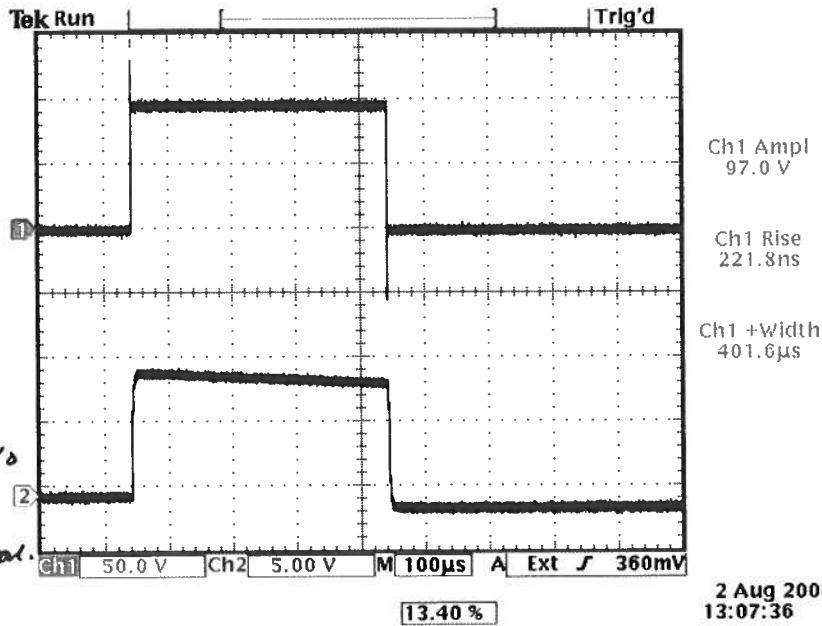
③ WIDE PULSE, LOW DUTY CYCLE.

$R_L = 1.0 \Omega$ 144H INDUCTANCE

$V_{DC} \approx 98 \text{ VDC}$

V_{LOAD}

PERKINSON
MODEL 410
CURRENT
TRIG'G



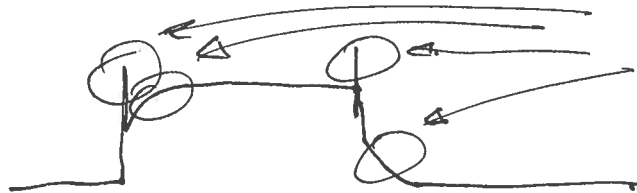
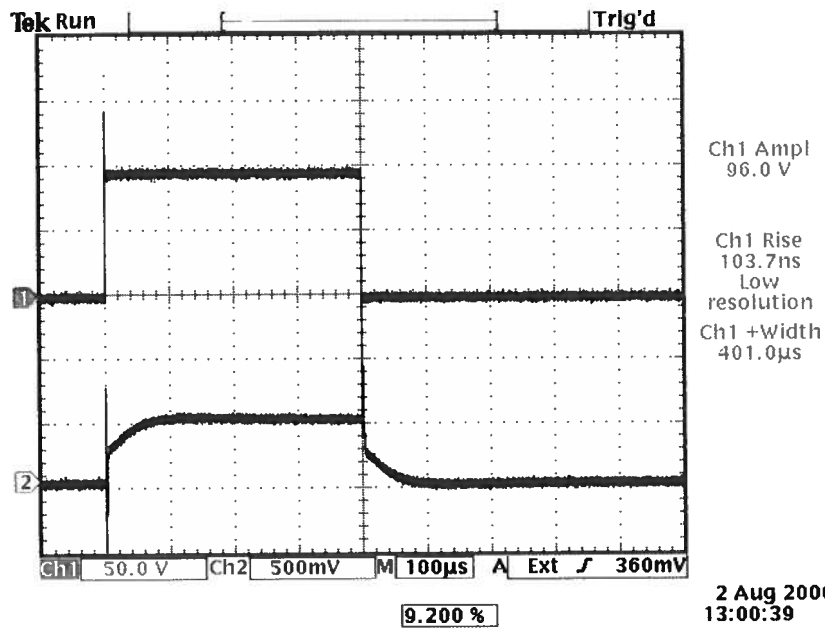
DROOP DUE TO 410.

Ⓒ

AS Ⓑ BUT MONITOR OUT
FASTER THAN PEARSON 410.

V_{LOAD}

MON
OUT



SPARKS INTRODUCED
BY MON CIRCUIT

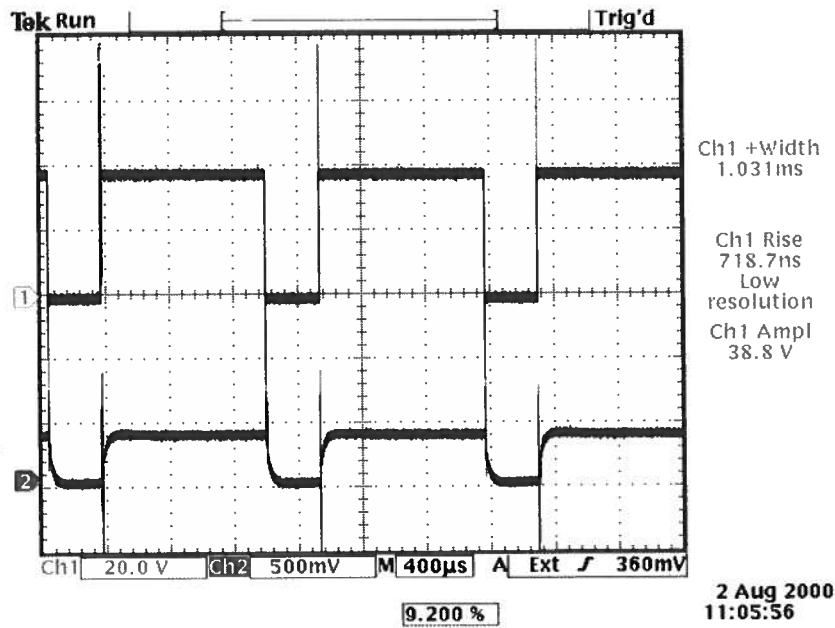
① VERY WIDE PULSE, VERY HIGH
DUTY CYCLE.

$R_c = 0.526 \Omega$. LOW-INDUCTANCE

$V_{DC} \approx 40$ VOLTS

V_{LOAD}

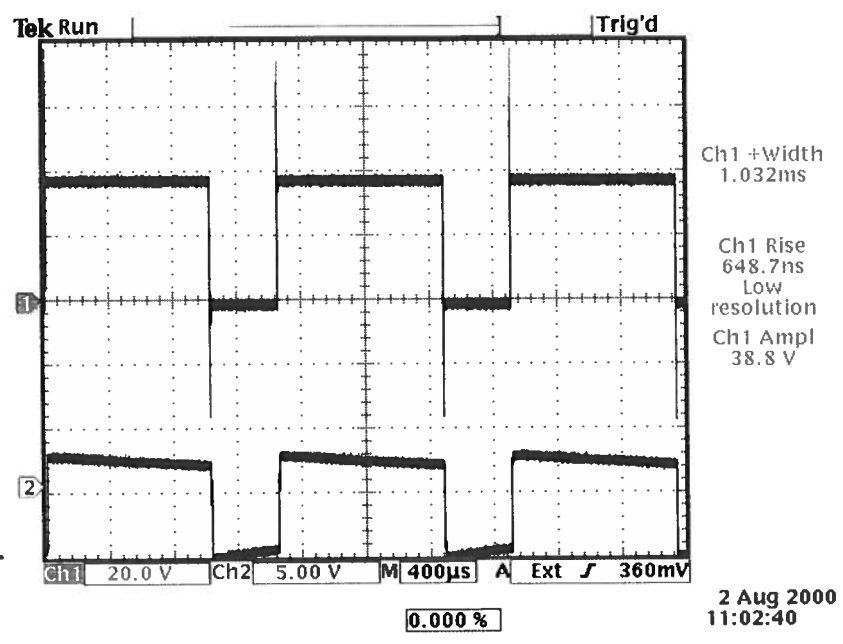
MONITOR
OUT.



(E) HAS D OUT WITH PEARSON 410

V_{LOAD}

PEARSON
410
OUTPUT



PROOF DUE TO PEARSON