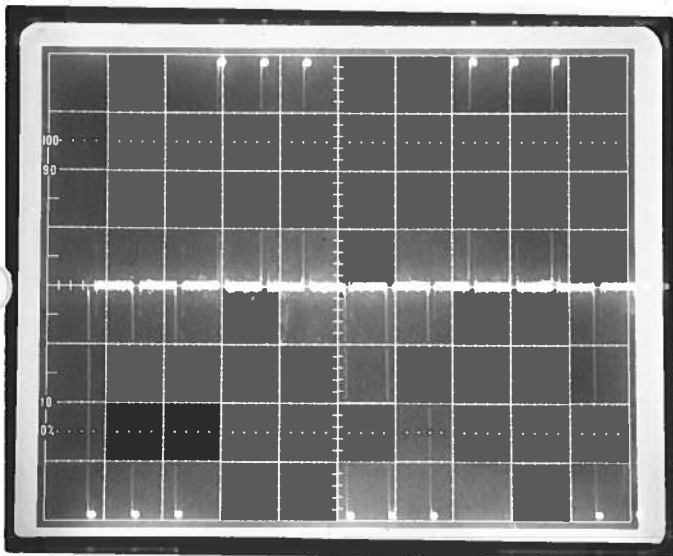


PULSE GENERATOR
PERFORMANCE CHECK

Model: AV-155-C-AE1

S.N.: 7419

Date: SEPT 11 1995



- a) Output signal amplitude:
0 TO ± 1.0 AMP
- b) Pulse width:
1.0 TO 20 μ S
- c) Rise time:
0.2 TO 2.0 μ S
- d) Fall time:
0.2 TO 2.0 μ S
- e) PRF:
1 TO 10 KHz
- f) Jitter, stability:
OK
- g) Prime power:
120 / 240 V
50 - 60 Hz

OUT PUT TO $R_L = 5.0 \Omega$
AMP CONTROL AT ≈ 7.0
PRF = 10 KHz.
NULL A, NULL B, V_{in} ADJUSTED
TO ATTAIN SYMMETRY

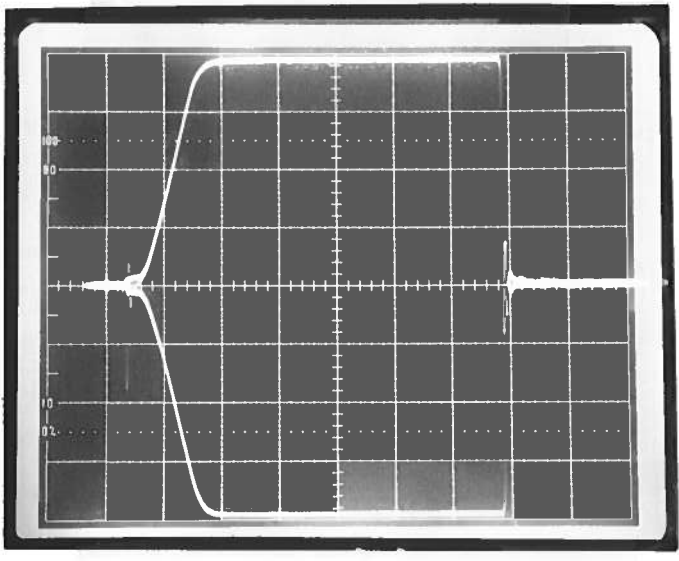
1 VOLT/DIV
100 μ S / DIV.

PULSE GENERATOR
PERFORMANCE CHECK

Model:

S.N.: 7419 CONT.

Date:



- a) Output signal amplitude:
- b) Pulse width:
- c) Rise time:
- d) Fall time:
- e) PRF:
- f) Jitter, stability:
- g) Prime power:

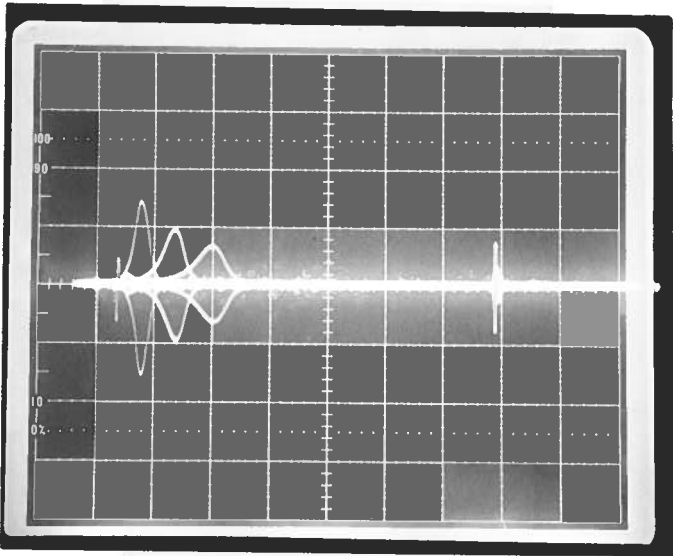
AS @ BUT
2.45 / DIV
RISE TIME SET
AT 5-5, FALL
TIME AT MIN.

PULSE GENERATOR
PERFORMANCE CHECK

Model:

S.N.: 7419

Date:



a) Output signal amplitude:

b) Pulse width:

c) Rise time:

d) Fall time:

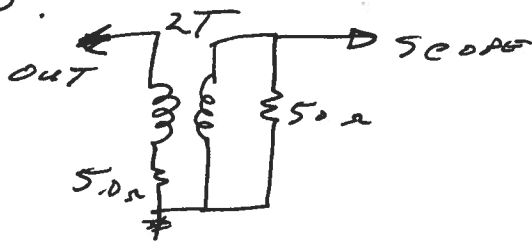
e) PRF:

f) Jitter, stability:

g) Prime power:

(C)

As (A) BUT INDUCTIVE
LOAD:



TRACES FOR Tr SET

At 3.0, 5.5 + 10.0

AMP + PW AS TOOL (A) (B)

1.0 V/DIV

2.0 μs/DIV.



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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CANADA K2C 3H4
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FAX: (613) 226-2802

Fax Ref No: 11414 From: Avtech Electrosystems Ltd.
To: Magsense Inc. Our Fax No: (613) 226-2802
Date: December 11, 1995
Attn: Dave Schaefer Receivers Fax No: 815-874-5436
Tel: 815-874-5602
Subject: AV-155-C-AE1, SN 7419 No. of pages: 2

1) As per your request, I enclose some waveforms with the contrast much enhanced. Again, there are no glitches or ghosts.

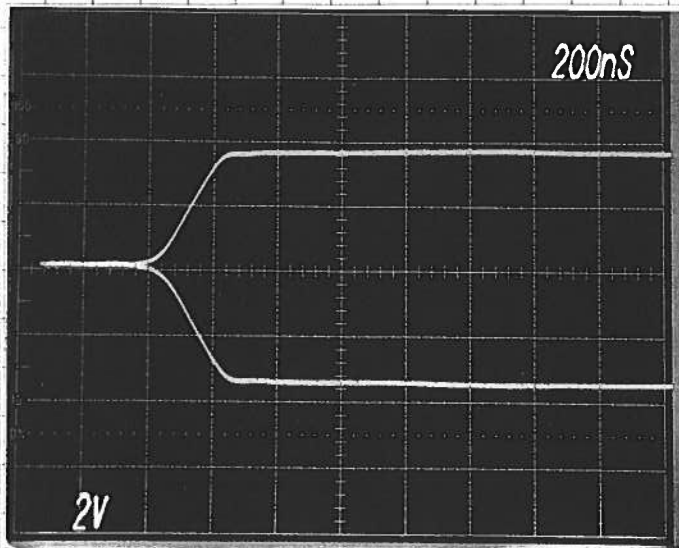
2) Copies of these waveforms have been mailed to you. ✓

Rgds

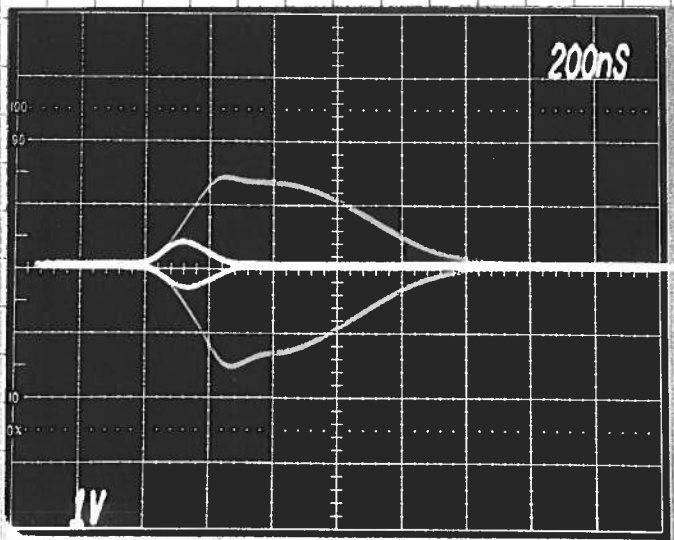
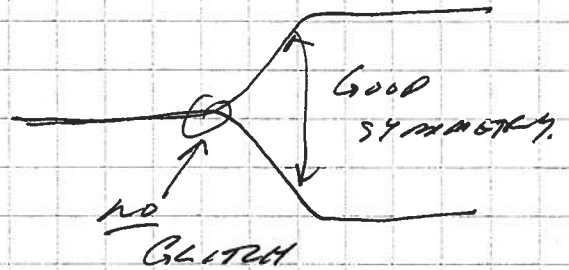
Dr. Walter Chudobiak
Chief Engineer

WC:pr

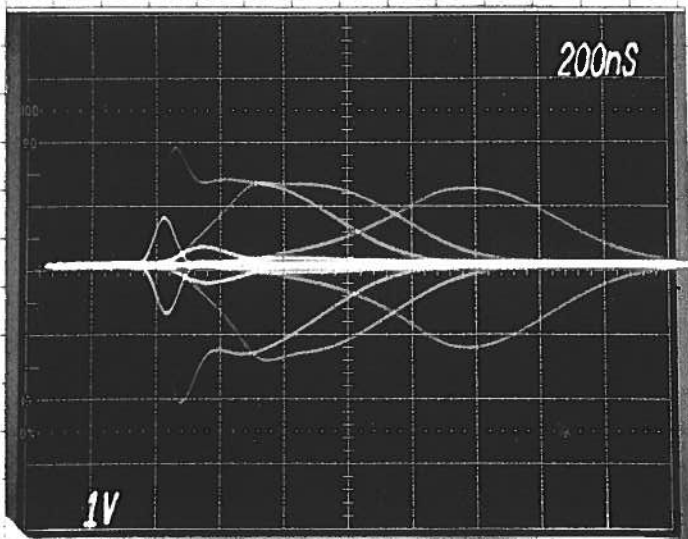
7419 AS MODIFIED DEC 10 1995



- ① T_R AT ≈ 200 NS
 10 K Ω .
 $R_{IN} \approx 6-7$
 $\beta_2 = 5.0 \Omega$
 200 NS/DIV.
 2V/DIV



- ② AS ① BUT 5Ω
 REPLACED WITH
 COAX LOAD.



- ③ AS ① BUT T_R
 VARIED FROM
 ABOUT 50 NS
 TO 750 NS.