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(12) (B1)

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(24) 2002 05 10

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(73) ,
46290 - 1024 10330

(72) , , , 11408

, , , , 7526

(74)

(54)

(100) (VS) (201)

1

1

2 (cascode) 2
 3 가 3
 4 3 2
 5 3 3
 < >
 Q1 Q4; Q1'; Q5'; Q4":
 R2; R2a'; R2b'; R2c':
 20:
 22:
 60:
 70":
 100: (CRT)
 200; 200'; 200":
 201: /

(CRT)

, 가 , , ,
 (sweep)
 (變成器)

(走査)
 2 3 가 ()
 (電位差計)
 CRT
 CRT

(R2) (200a) (Q3) (R4) (Q3)
 . (VOUT) 가 0~5 V , (R2)
 (R4) , 240 V 680 V 460 V , CRT
 (VS) (VS) (VS) (VOUT) 가 0~5 V ,
 (R3) 0 (VOUT) 가 0~5 V ,
 (VS) 240 680 V (VOUT) 가 ,
 (VS) CRT ,
 , CRT (VOUT) 가 10% (VS) (200)
 , (VOUT) 가 10% (VS)
 D/A (201) (VBUS) 가 , (VS)
 2 (200') . 1 2 , 1 (200) , (') 2
 .
 2 (200') , (Q5', Q4') (Q3') (cascode)
 (R8b') (200a') (Q4') (R8c'), (Q5', Q4')
 (VS') (R2) (200') 1 (R8)
 1 (Q4' Q5') (VS') 2 (R2a', R2b', R2c')
 2c' (200') 1 (R2a', R2b', R2c')
 (VS) (200') 1
 .
 3 (FOCUS) (200'') 1 3 3 , DC
 , 3 (")
 3 (200'') , (D1) (Darlington) (D1) (Q3a'')
 Q3b'', Q2b'', Q2a'' 가 15 mA (70'')
 , (D1) 가
 .
 3 가 (70'') 가 3 , 4 5 3 5 (光) (Q4'') (R1c'') (R1b'') 가
 . (Q4'') (自己) , (Q4'') (R1c'') (R1b'')
 .
 4 2 (60) (Q4'') (Q4'') 5 3 ,
 2 (Q4'') (R1a'') (R1b') 90 M 20 k
 (LDR) (R1a'') (R1b') 1700 V

(57)

1.

(VS') ,
 (VS') (VOUT") ;

1 (31 KV) ;

(VOUT") 1 (31 KV) (VS) (200)

,

,

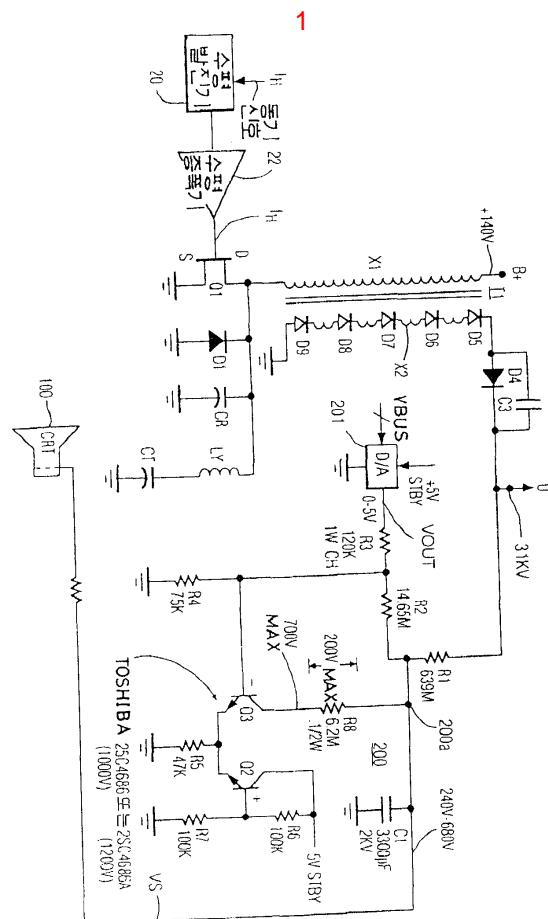
(Q3') (VS') 1 (Q5') (cascode) (Q)
 (Q3', Q5') , (R2a', R2b', R2c') (Q5')
 3') (200a') .
 Q5') (200a') .

2.

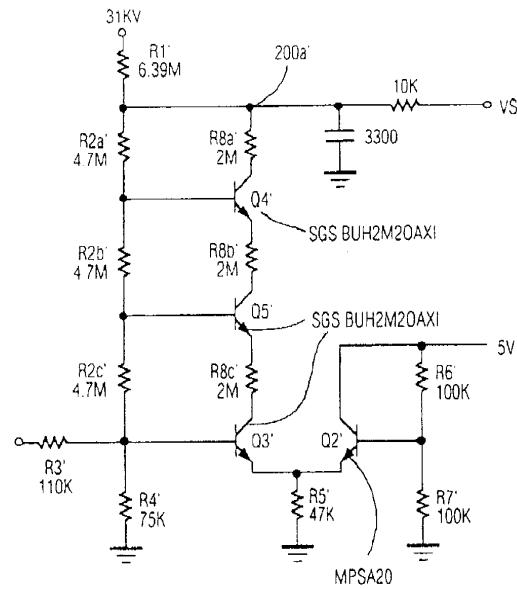
1 , 1 (200a') , (Q3')
 2 (R4', R2c') (Q5')
 (R2c', R2b')

3.

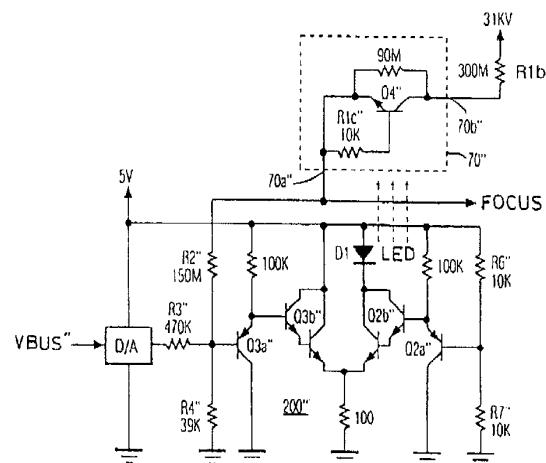
1 , (VS')



2

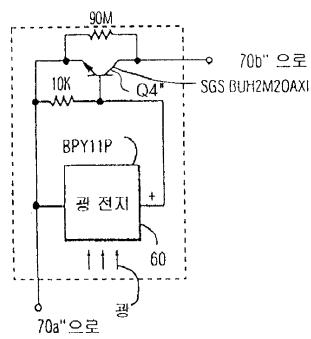


3



Q4''을 제외한 모든 NPN은 MPSA 20이고
모든 PNP는 MPSA 55

4



5

