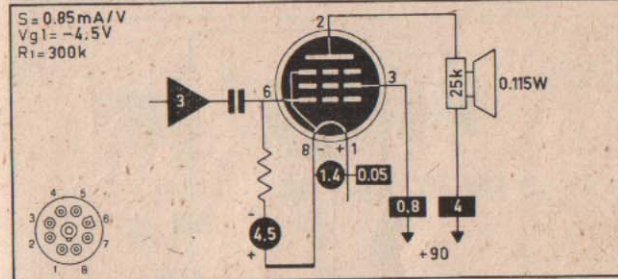
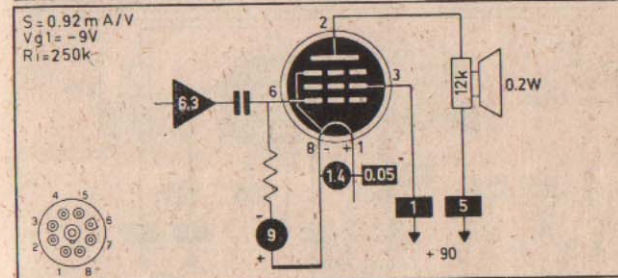


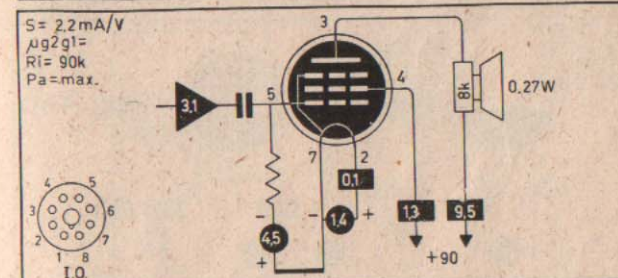
1C5



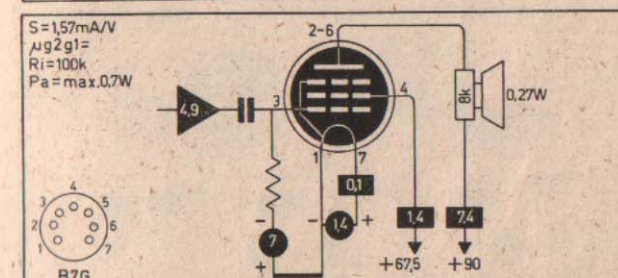
1LA4



1LB4

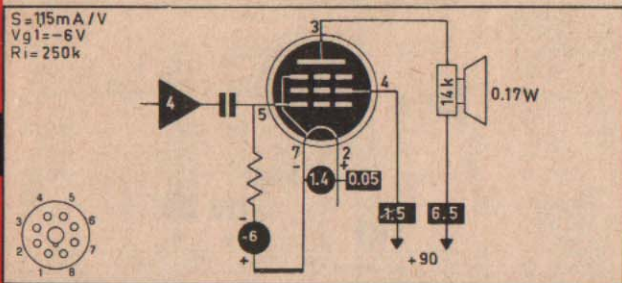


1Q5

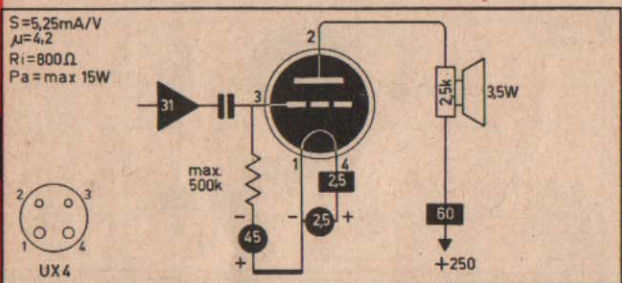


1S4

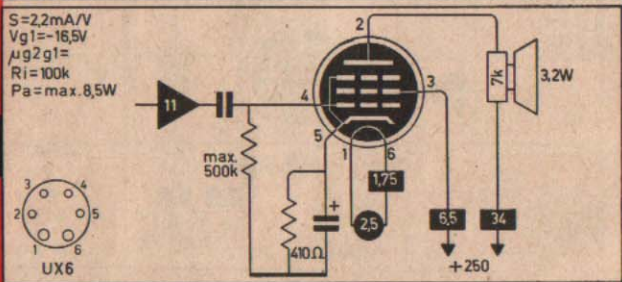
1T5



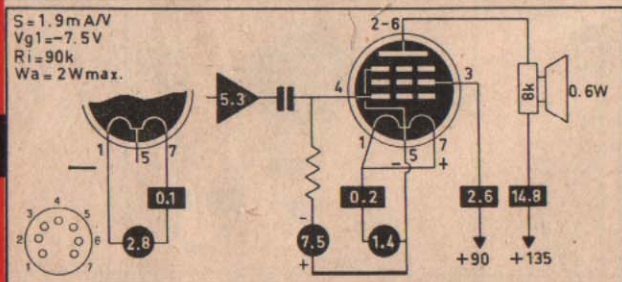
2A3



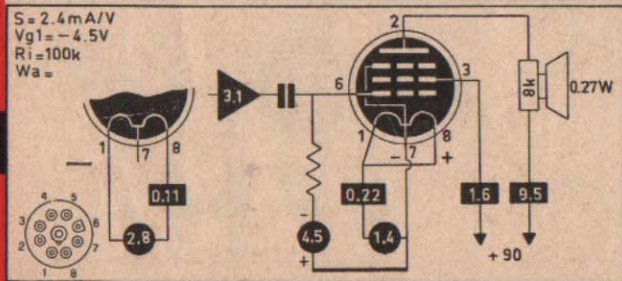
2A5



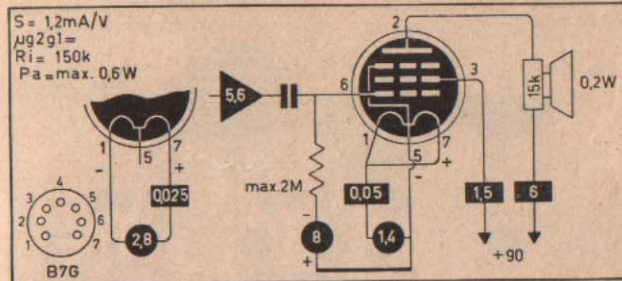
3A4



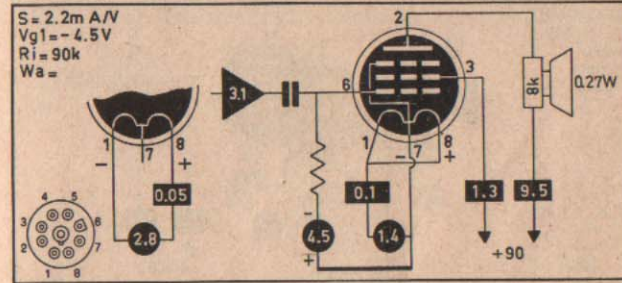
3D6



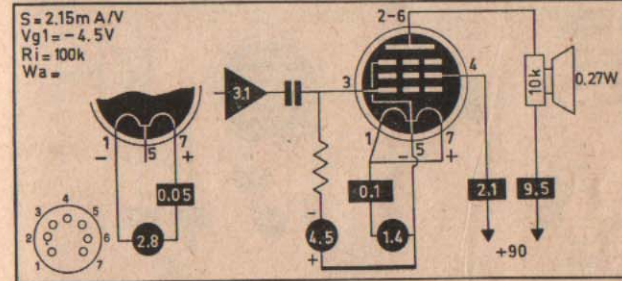
3E5



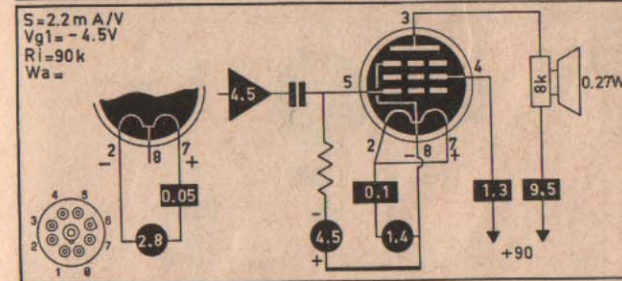
3LF4



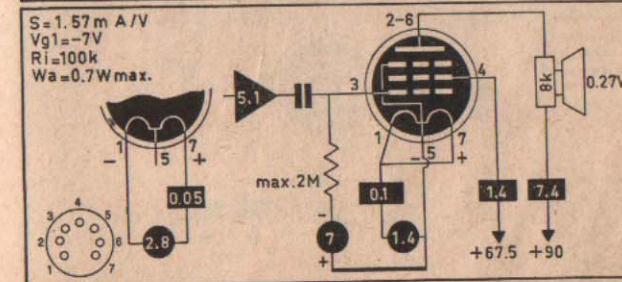
3Q4



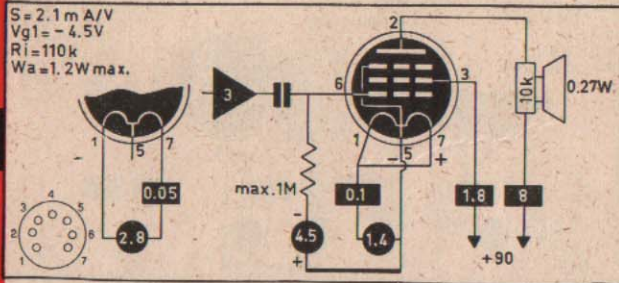
3Q5



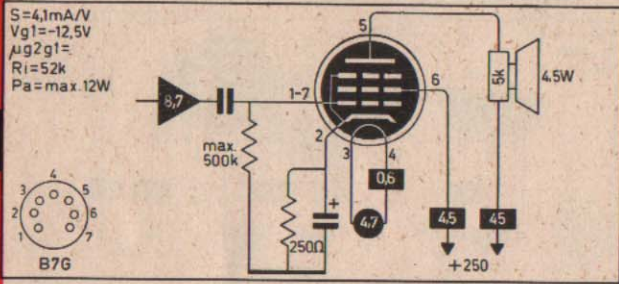
3S4



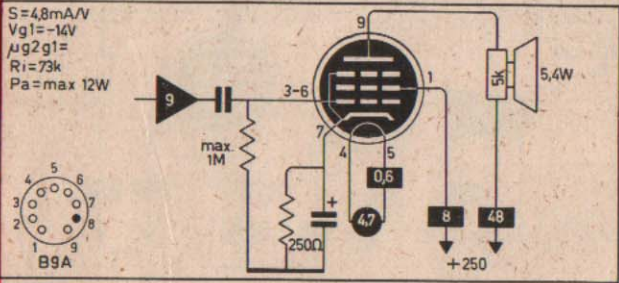
3V4



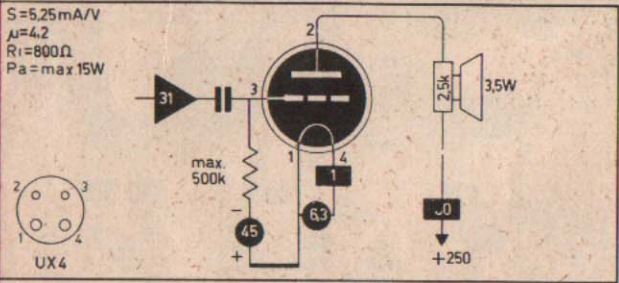
5AQ5



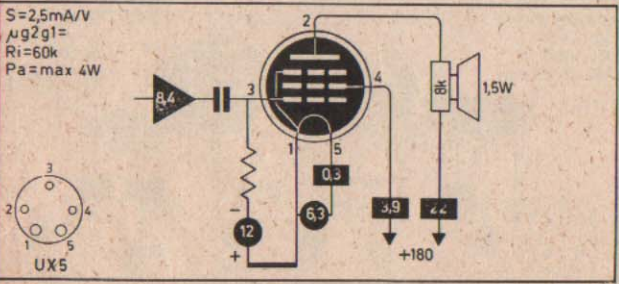
5CZ5



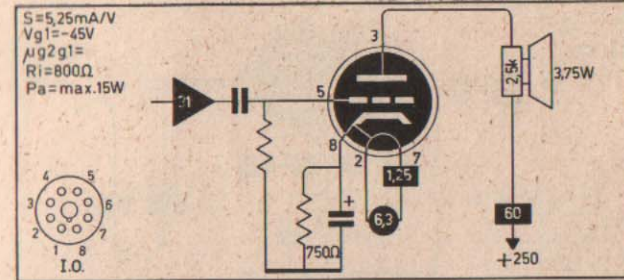
6A3



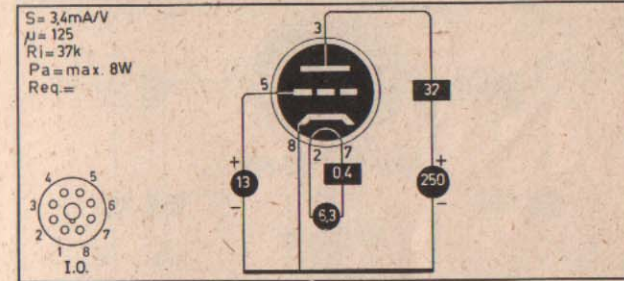
6A4

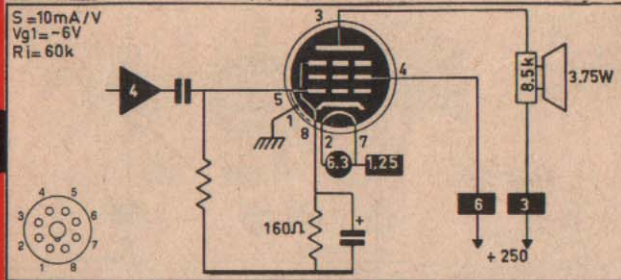
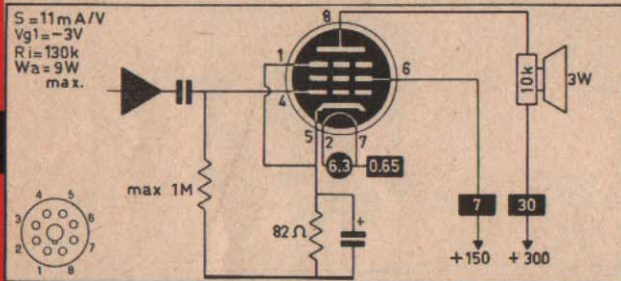
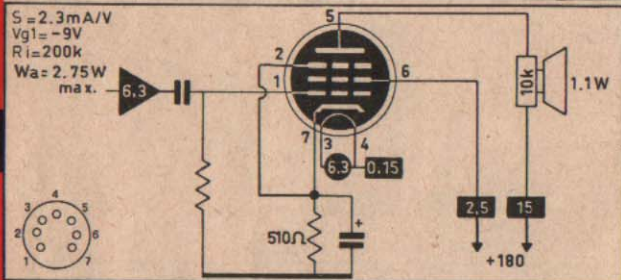
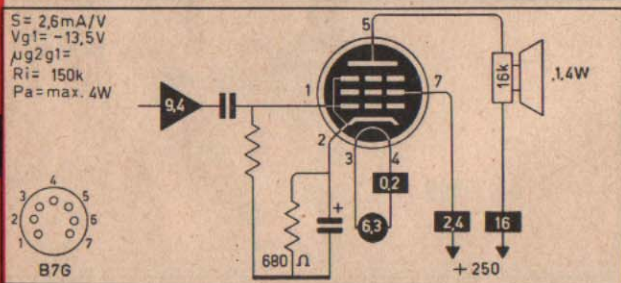
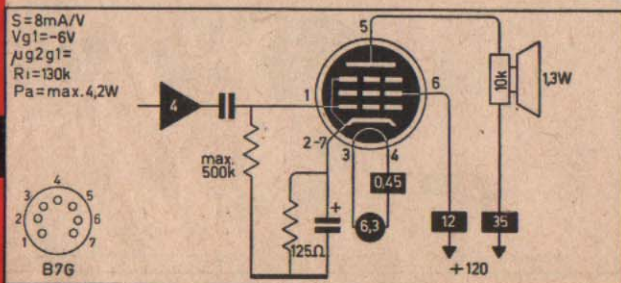


6A5

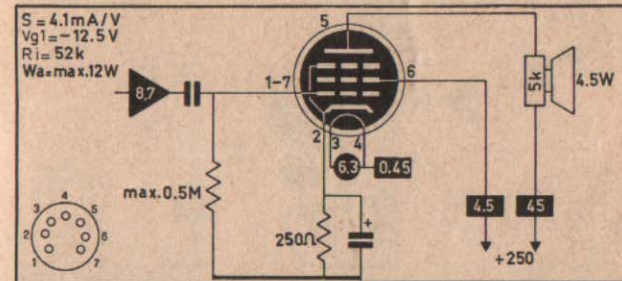
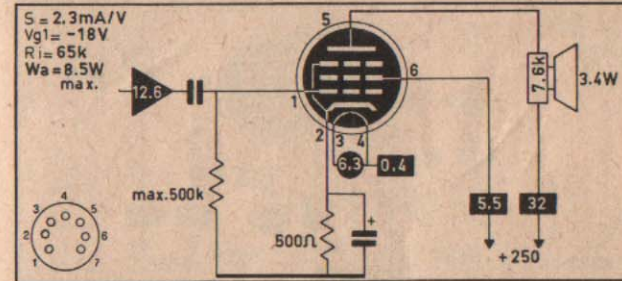
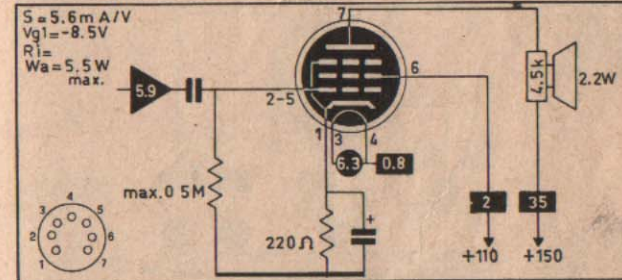
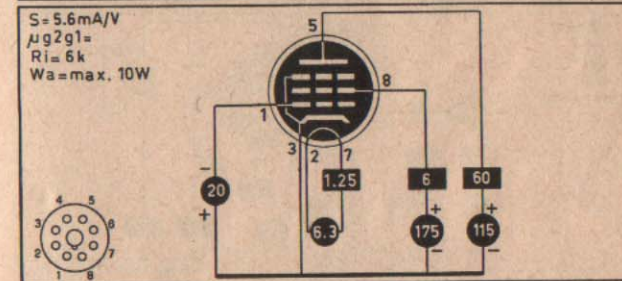
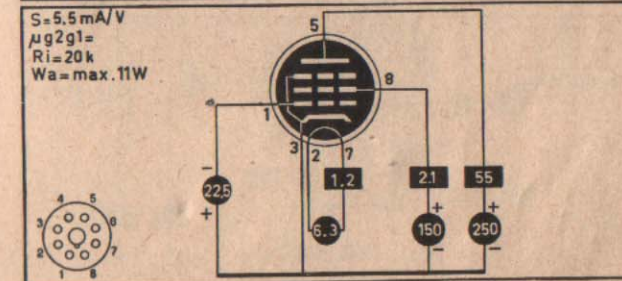


6AC5

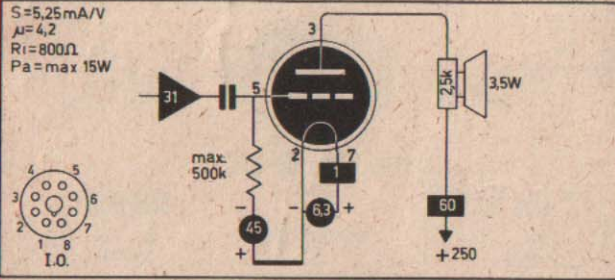
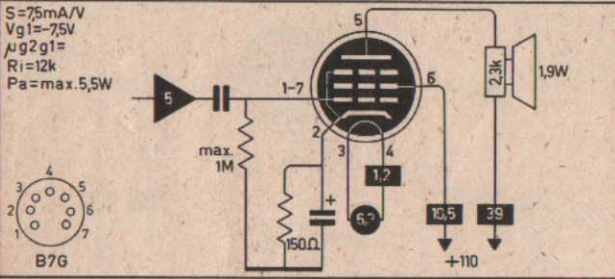
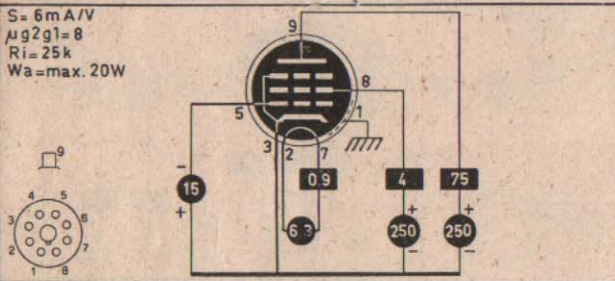
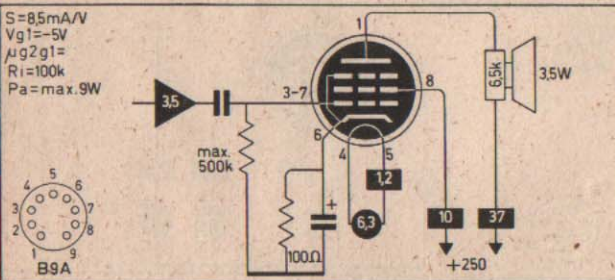
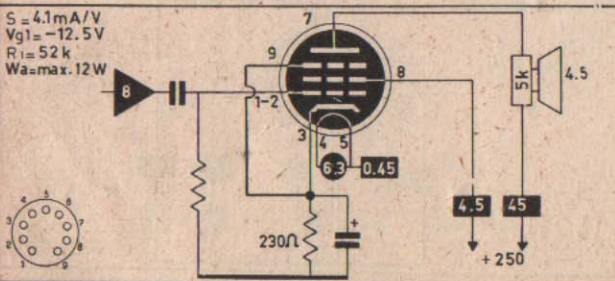
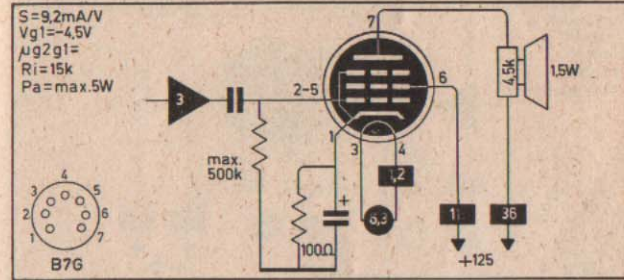
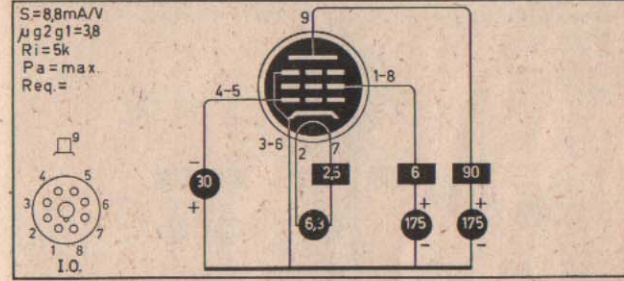
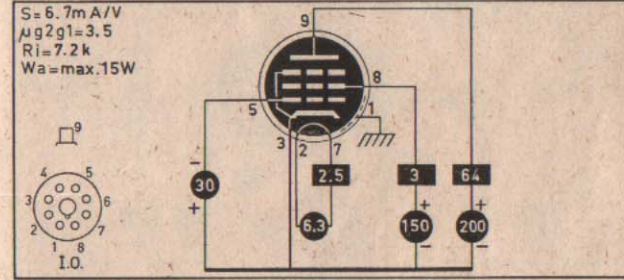
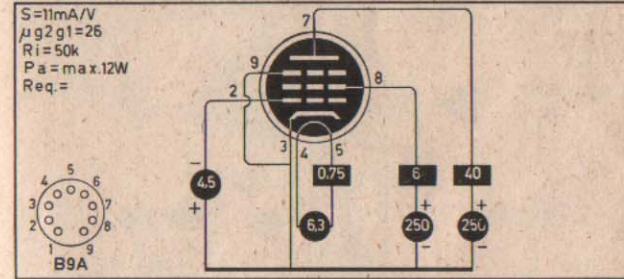
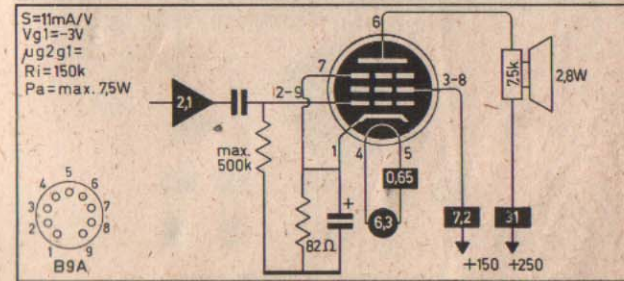


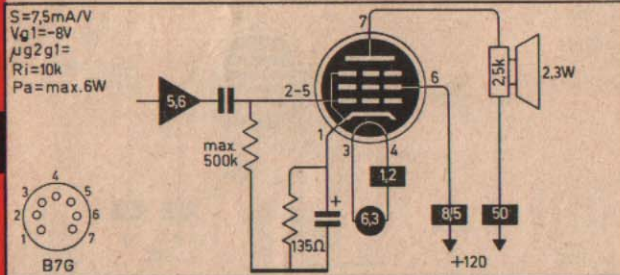
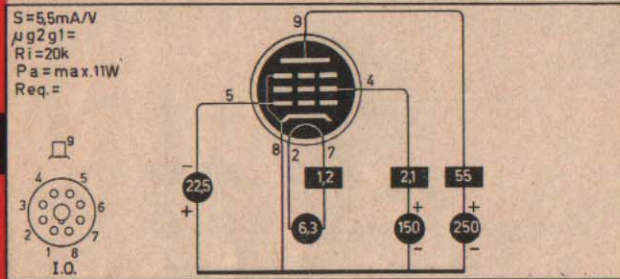
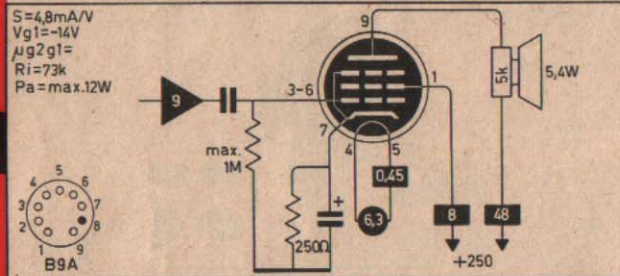
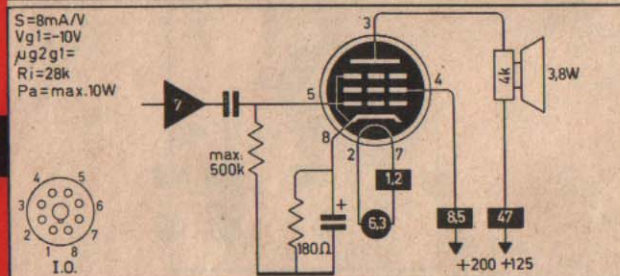
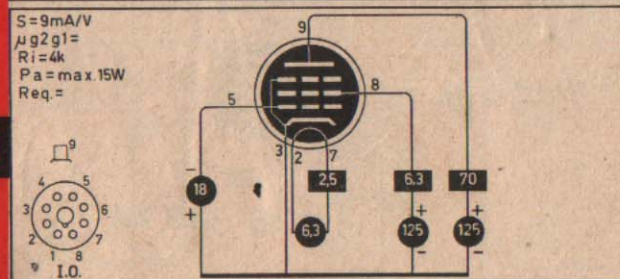
6AG6**6AG7****6AK6****6AM5****6AN5**

198

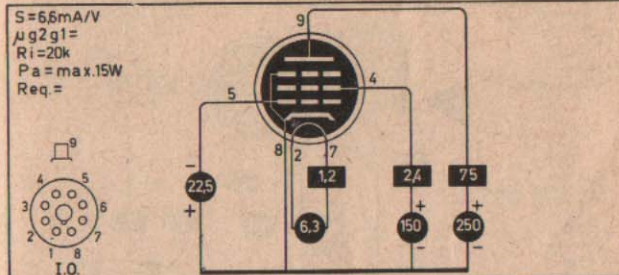
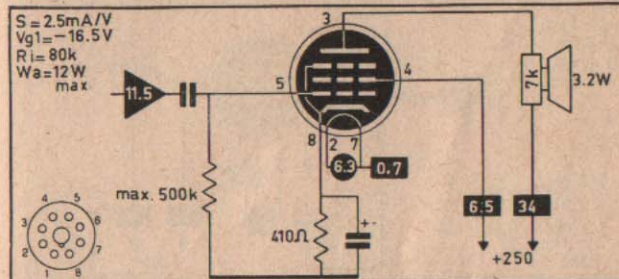
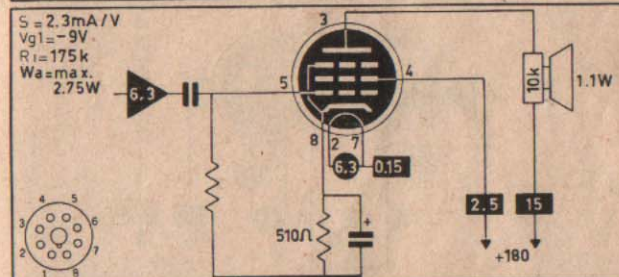
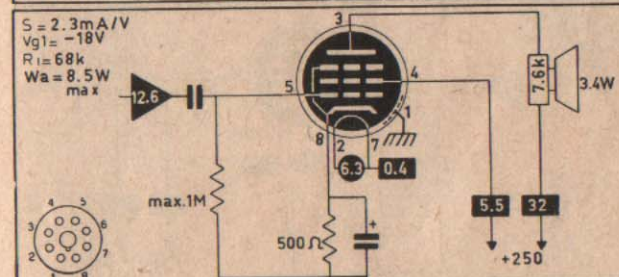
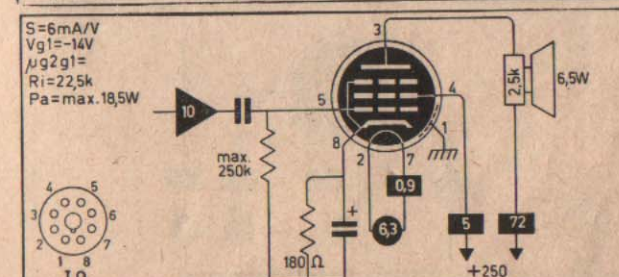
6AQ5**6AR5****6AS5****6AU5****6AV5**

199

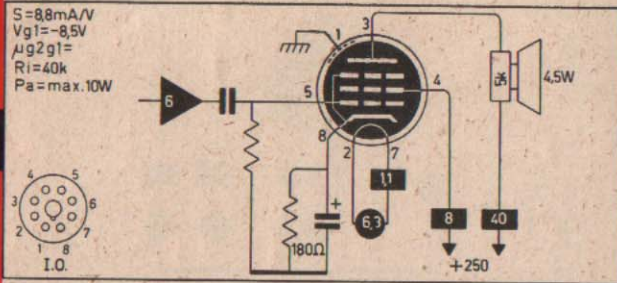
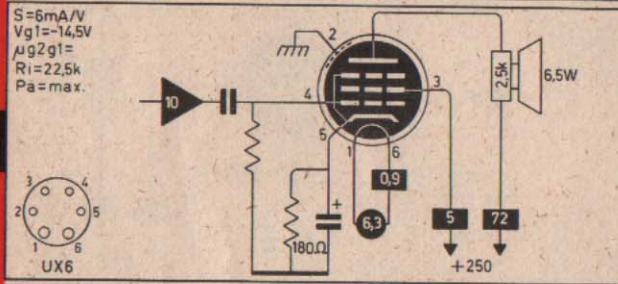
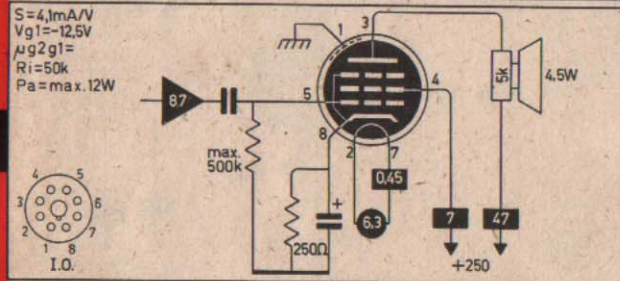
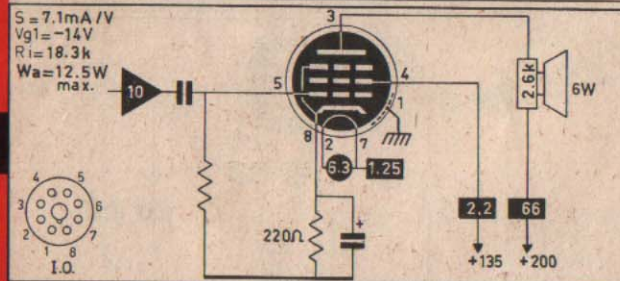
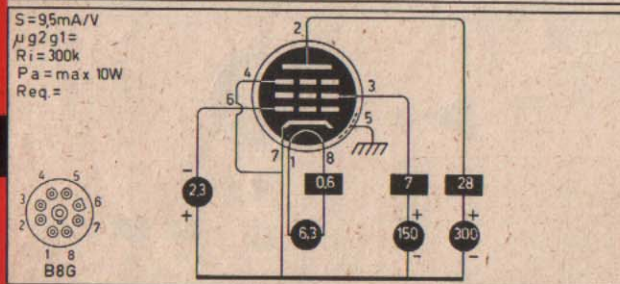
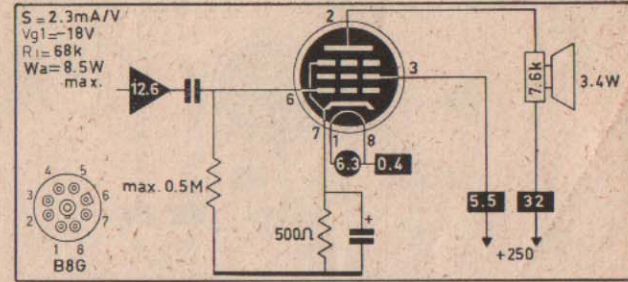
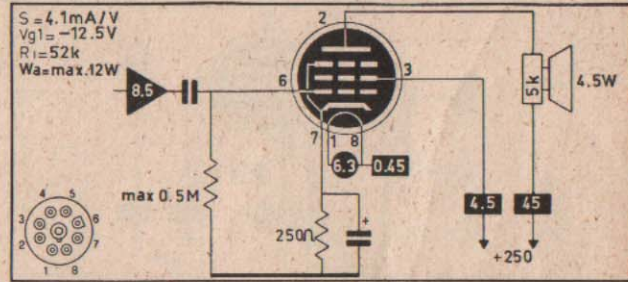
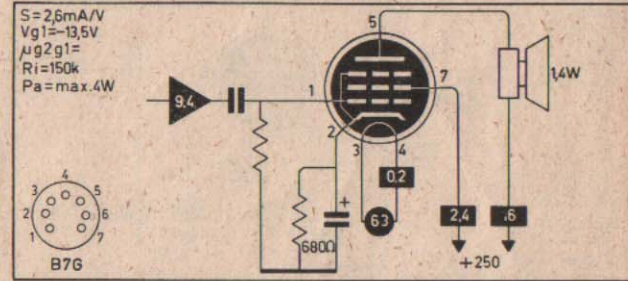
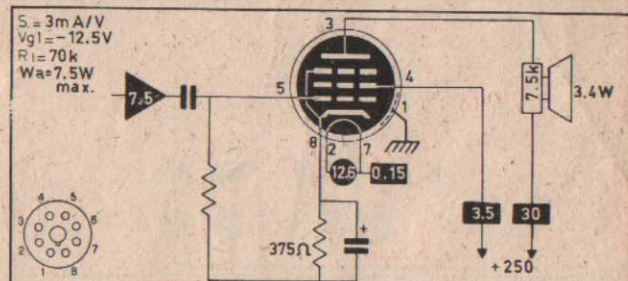
6B4**6B6F5****6B6G6****6B6K5****6B6W6****6CA5****6CB5****6CD6****6CH6****6CL6**

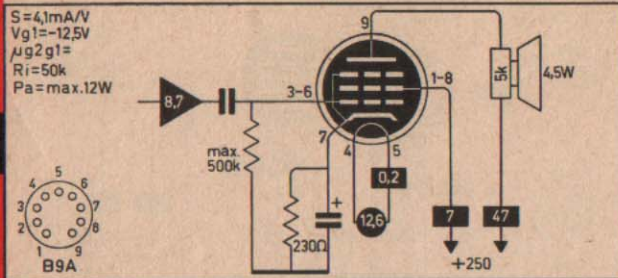
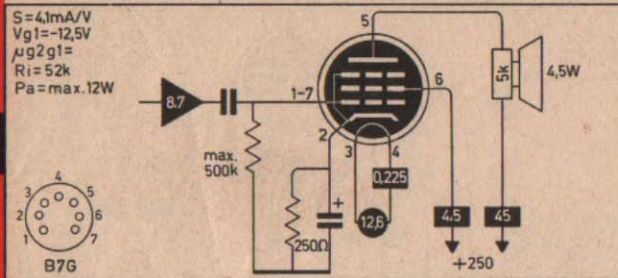
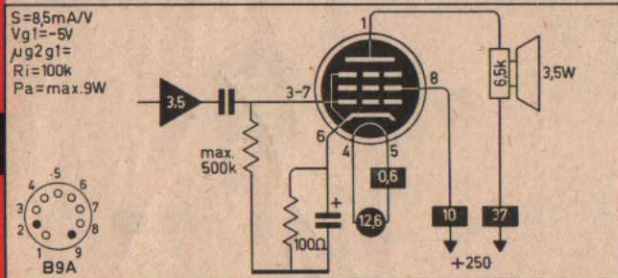
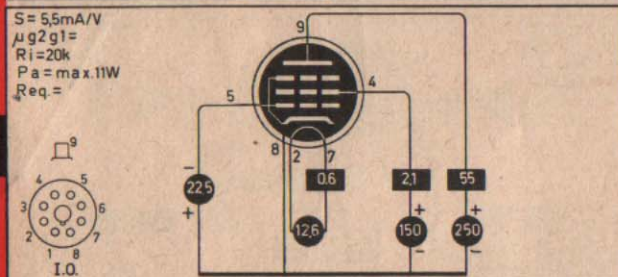
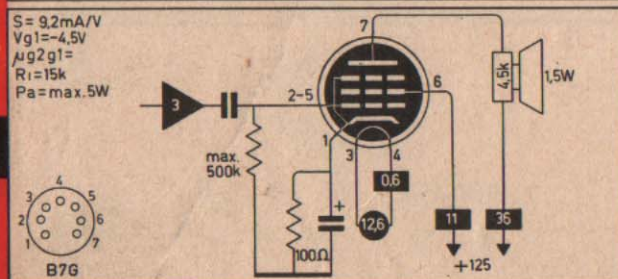
6CU5**6CU6****6CZ5****6DG6****6DN6****6CM6 supplement**

202

**6EQ6A****6F6****6G6****6K6****6L6****6EH5 - 6EM5 supplement**

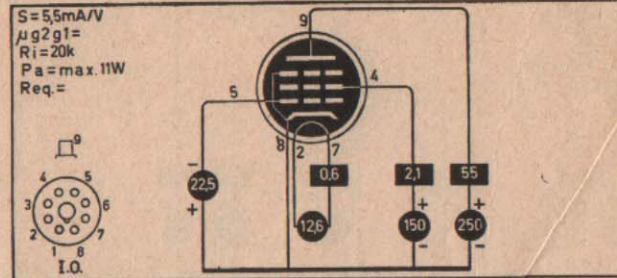
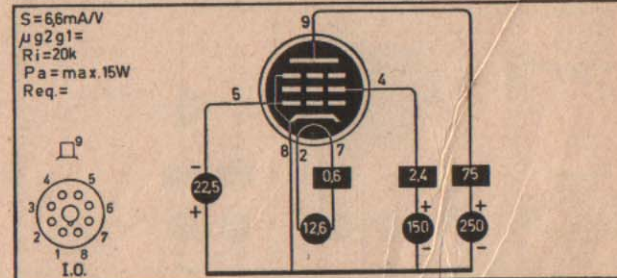
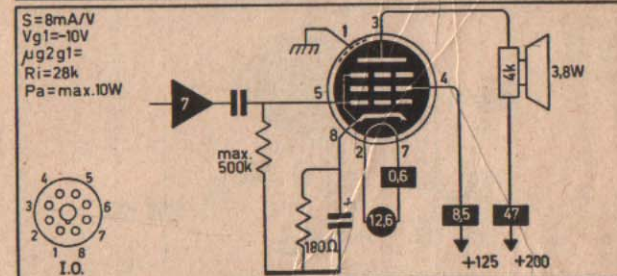
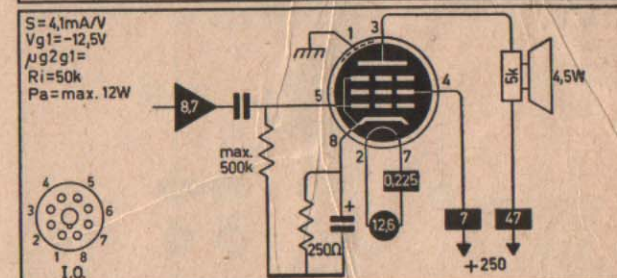
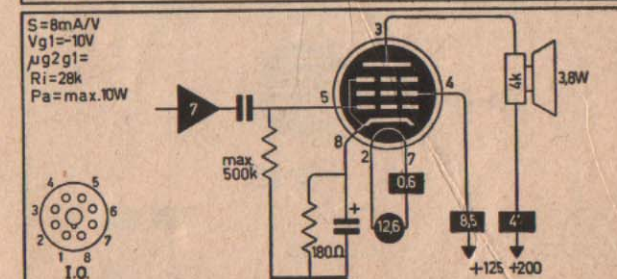
203

6P25**6TP****6V6****6Y6****7AD7****6W6 supplement****7B5****7C5****7D9****12A6****8EM5 - 9BW6 supplement**

12AB5**12AQ5****12BK5****12BQ6****12CA5**

12AV5 supplement

206

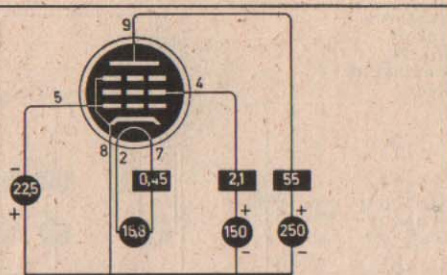
**12CU6****12DQ6A****12L6****12V6****12W6**

12CU5 - 12EH5 supplement

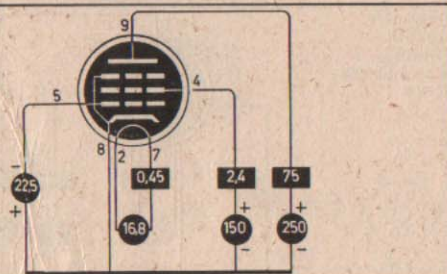
207

17BQ6

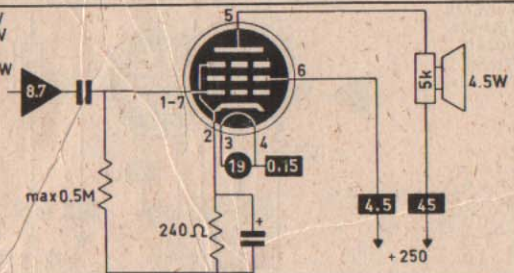
$S = 5,5 \text{ mA/V}$
 $\mu g_{2g1} =$
 $R_i = 20 \text{ k}$
 $P_a = \text{max. } 11 \text{ W}$
 $R_{eq} =$

**17DQ6A**

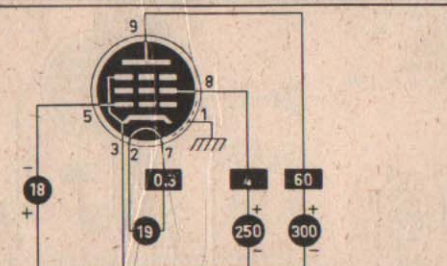
$S = 6,6 \text{ mA/V}$
 $\mu g_{2g1} =$
 $R_i = 20 \text{ k}$
 $P_a = \text{max. } 15 \text{ W}$
 $R_{eq} =$

**19AQ5**

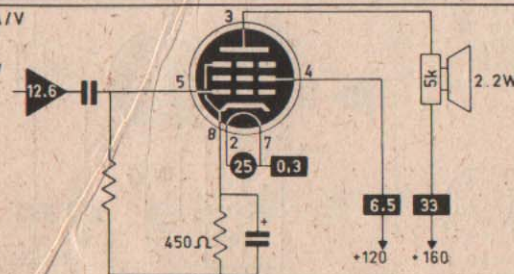
$S = 41 \text{ mA/V}$
 $V_{g1} = -12,5 \text{ V}$
 $R_i = 52 \text{ k}$
 $W_a = \text{max. } 12 \text{ W}$

**19BQ6**

$S = 6 \text{ mA/V}$
 $\mu g_{2g1} = 8$
 $R_i = 30 \text{ k}$
 $W_a = \text{max. } 20 \text{ W}$

**25A6**

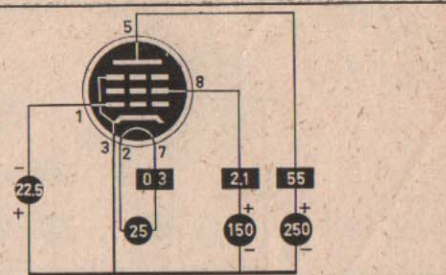
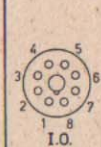
$S = 2,4 \text{ mA/V}$
 $V_{g1} = -18 \text{ V}$
 $R_i = 42 \text{ k}$
 $W_a = 5,3 \text{ W}$
 max.



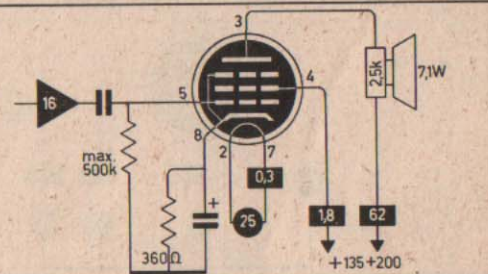
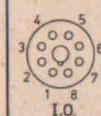
208

25AV5

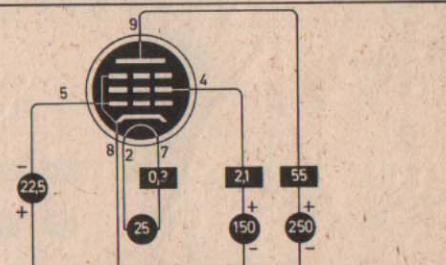
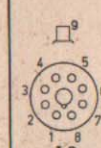
$S = 5,5 \text{ mA/V}$
 $\mu g_{2g1} =$
 $R_i = 20 \text{ k}$
 $W_a = \text{max. } 11 \text{ W}$

**25B6**

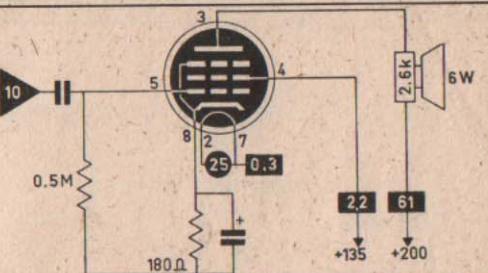
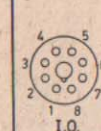
$S = 5 \text{ mA/V}$
 $V_{g1} = -23 \text{ V}$
 $\mu g_{2g1} =$
 $R_i = 18 \text{ k}$
 $P_a = \text{max. } 12 \text{ W}$

**25BQ6**

$S = 5,5 \text{ mA/V}$
 $\mu g_{2g1} =$
 $R_i = 20 \text{ k}$
 $P_a = \text{max. } 11 \text{ W}$
 $R_{eq} =$

**25C6**

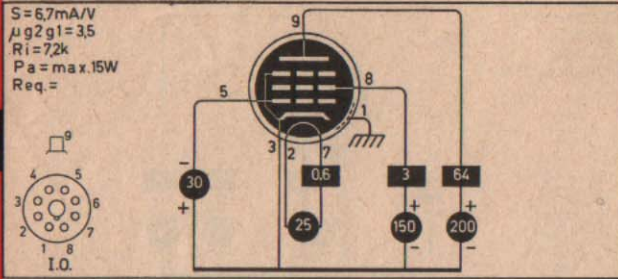
$S = 7,1 \text{ mA/V}$
 $V_{g1} = -14 \text{ V}$
 $R_i = 18,3 \text{ k}$
 $W_a = 12,5 \text{ W}$
 max.



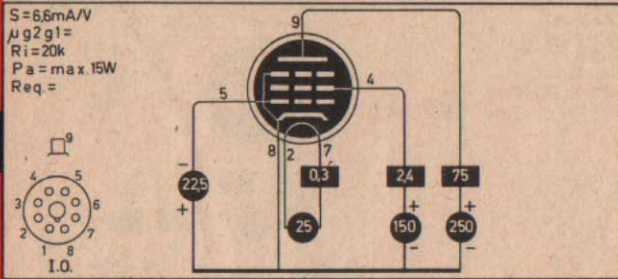
25C5 supplement

209

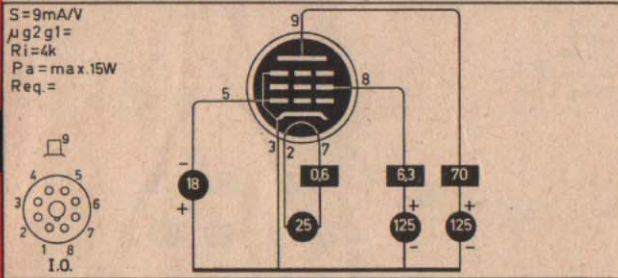
25CD6



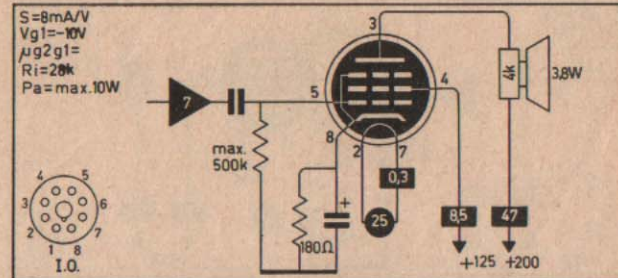
25DQ6A



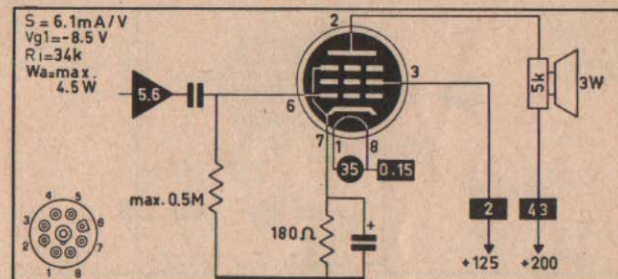
25DN6



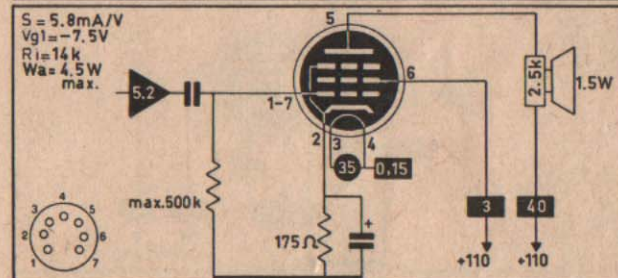
25L6



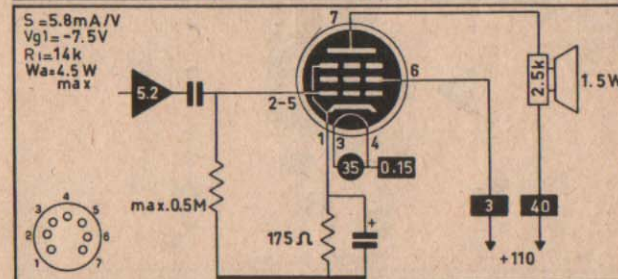
35A5



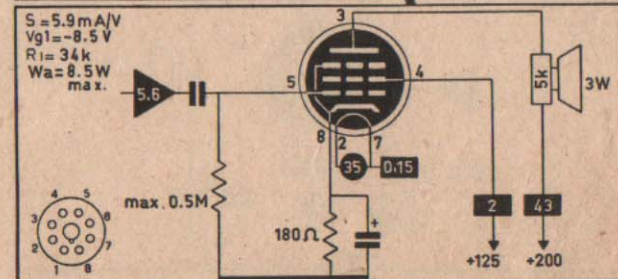
35B5



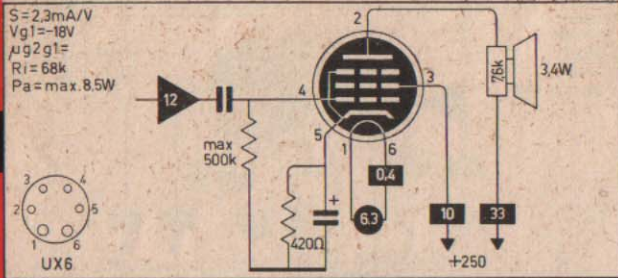
35C5



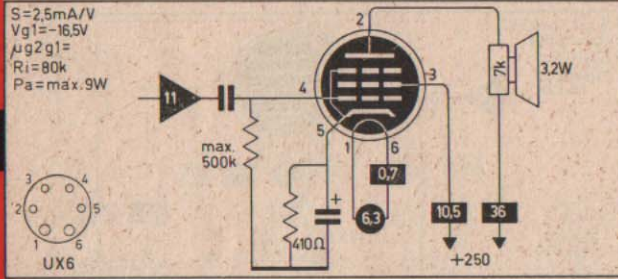
35L6



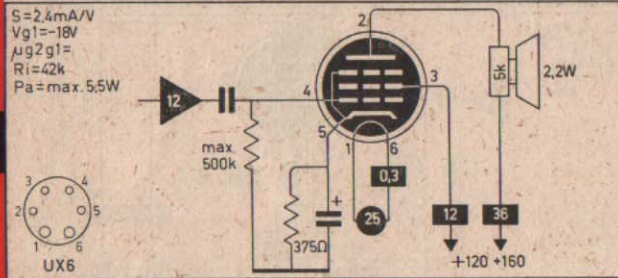
41



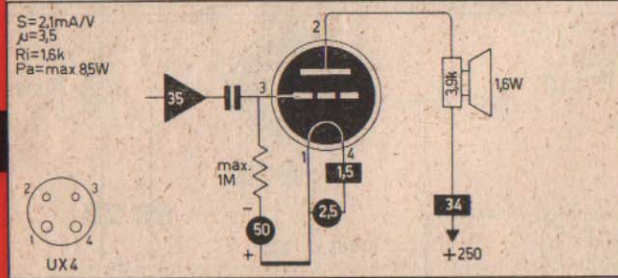
42



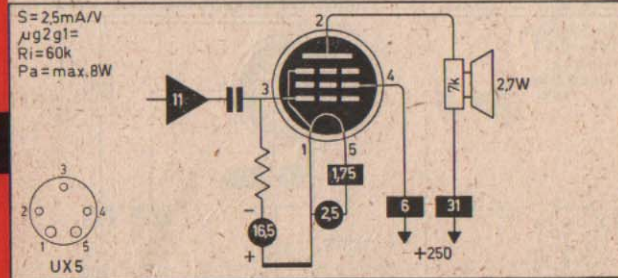
43



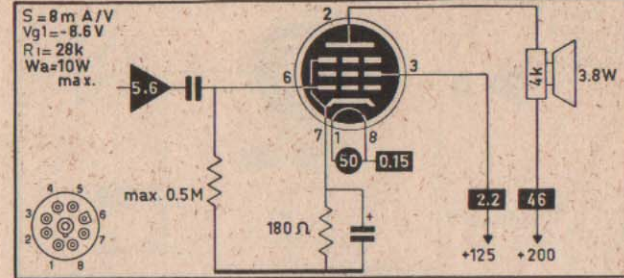
45



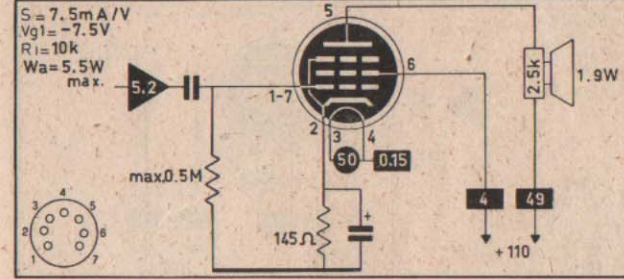
47



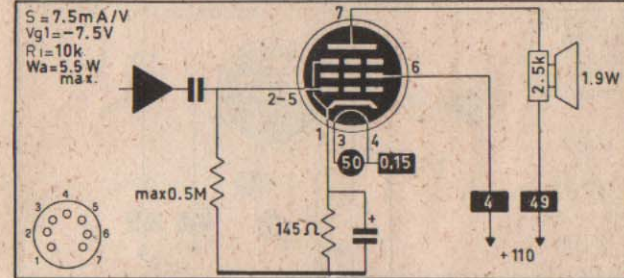
50A5



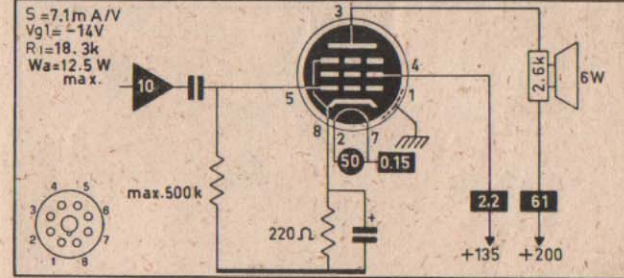
50B5



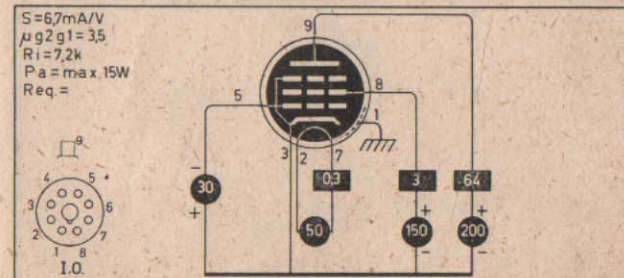
50C5



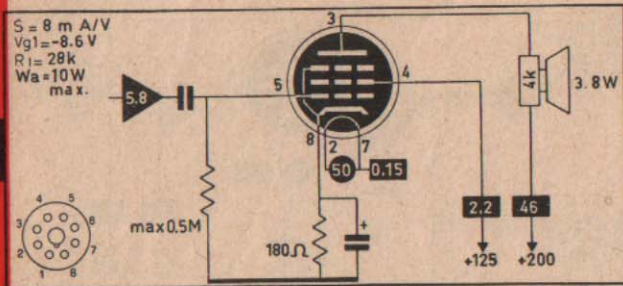
50C6



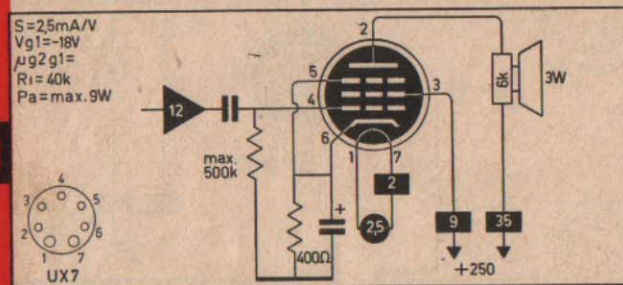
50CD6



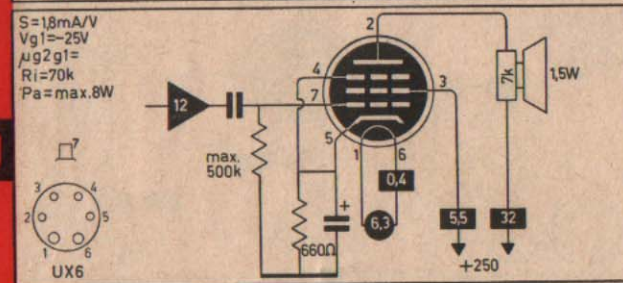
50L6



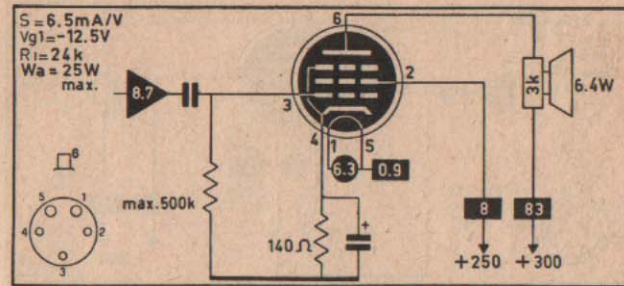
59



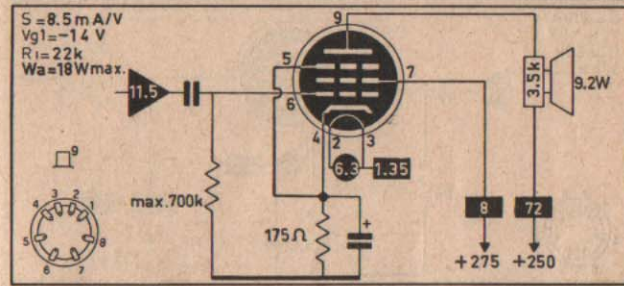
89



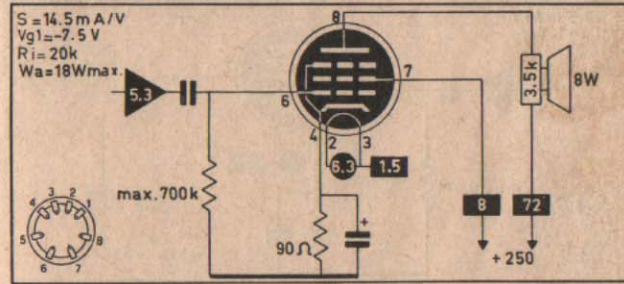
807



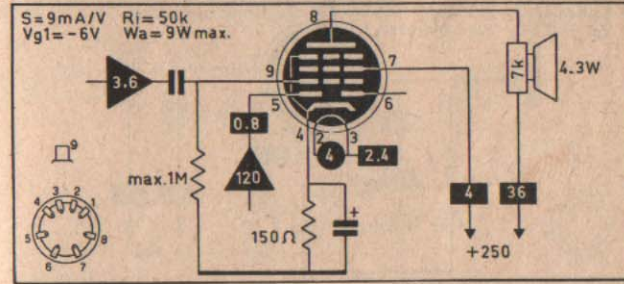
4654



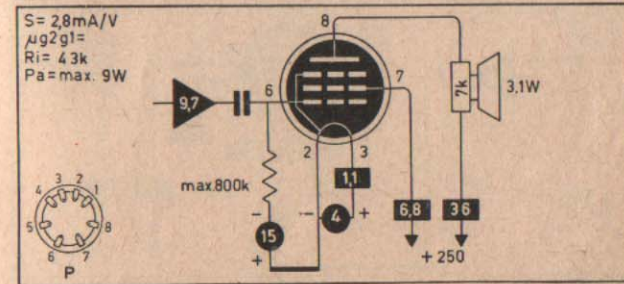
4699



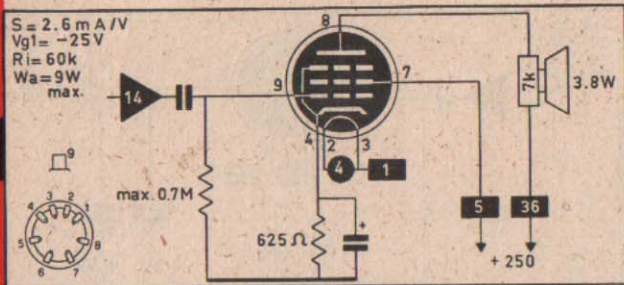
ABL1



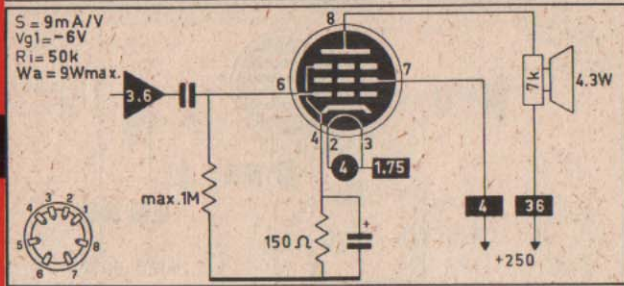
AL1



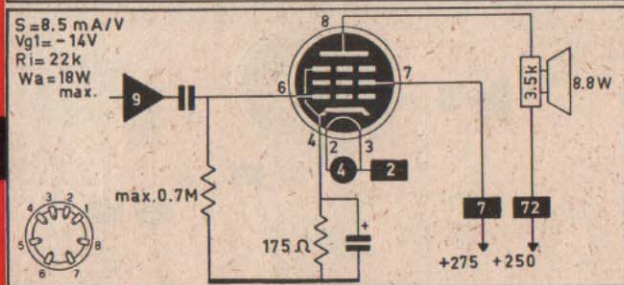
AL2



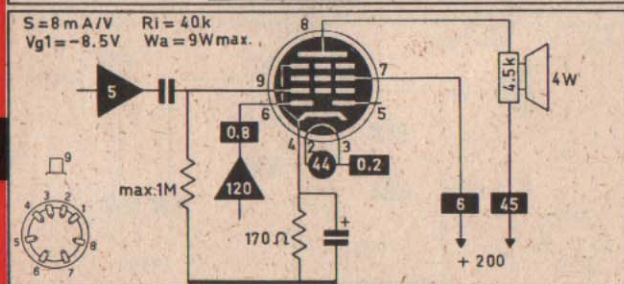
AL4



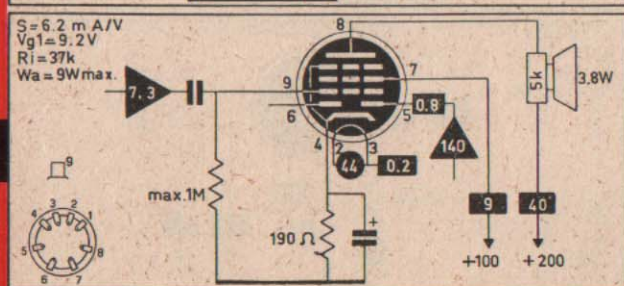
AL5



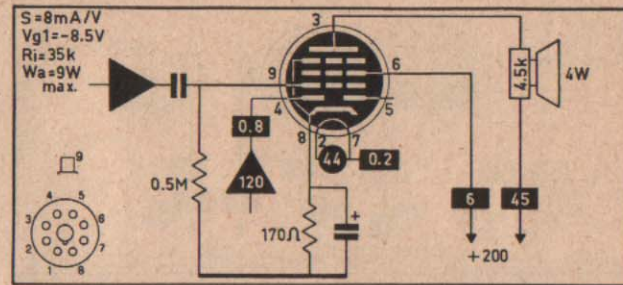
CBL1



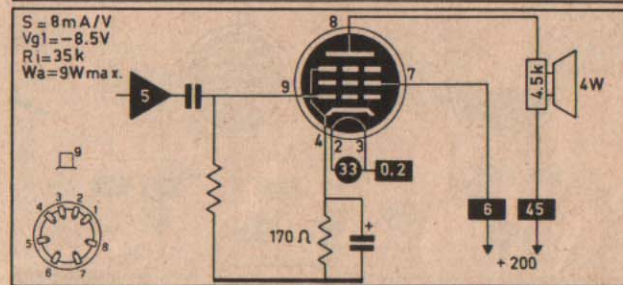
CBL6



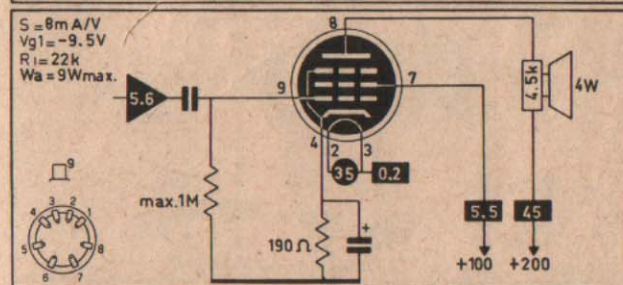
CBL31



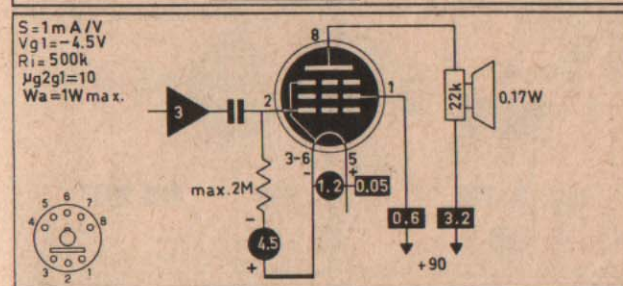
CL4



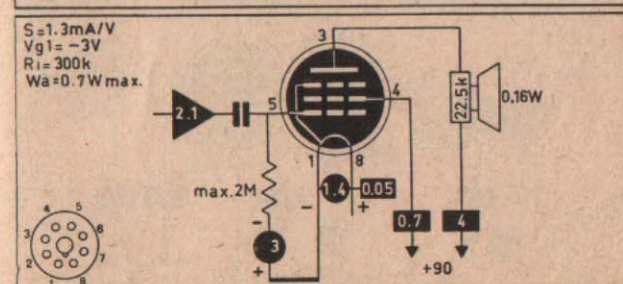
CL6



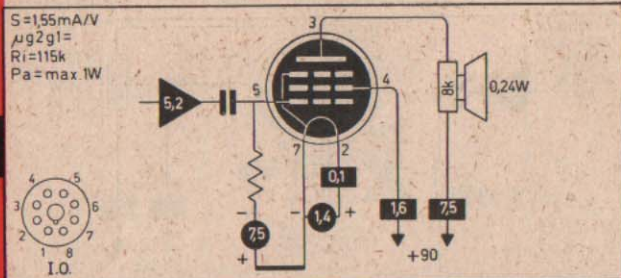
DL11



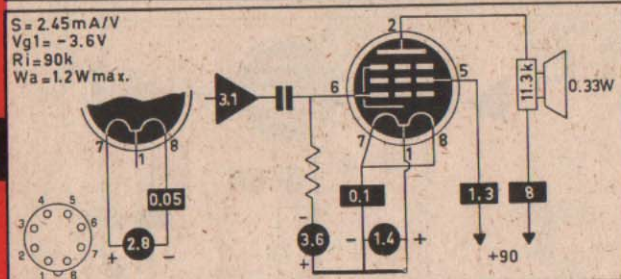
DL21



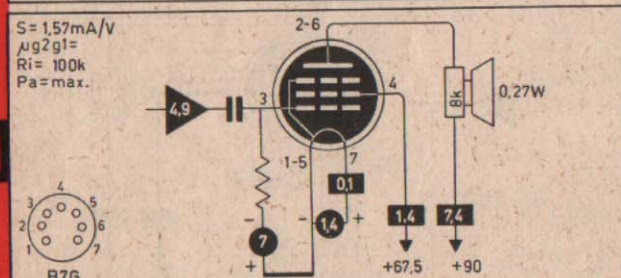
DL35



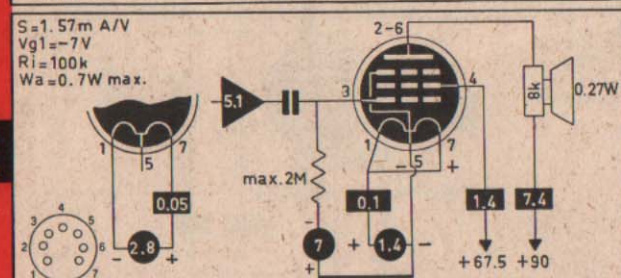
DL41



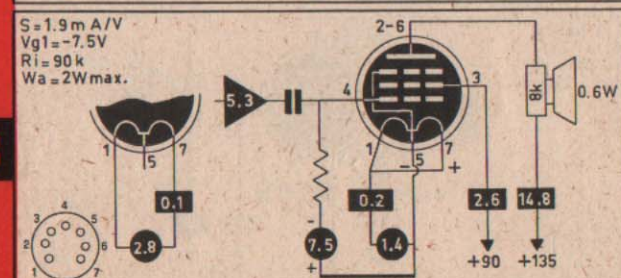
DL91



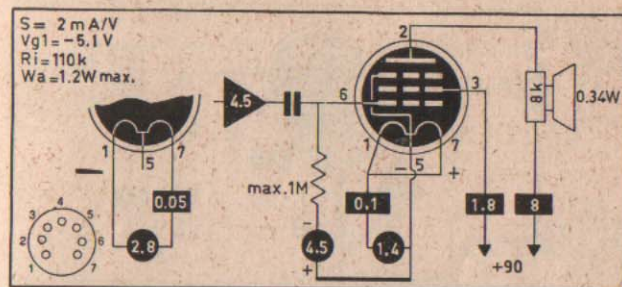
DL92



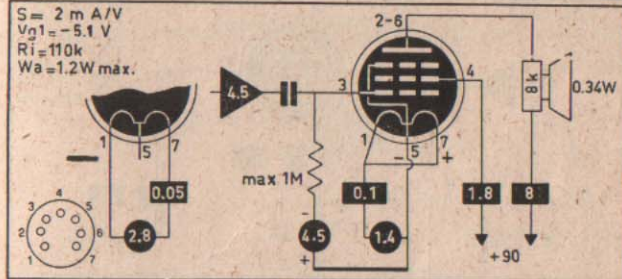
DL93



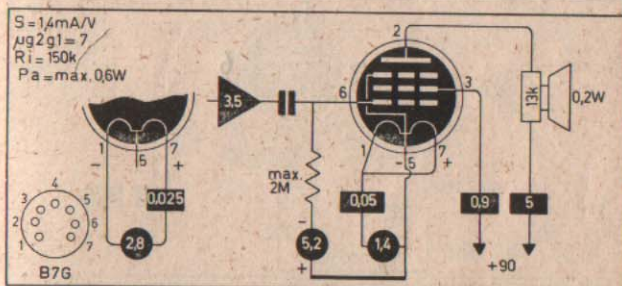
DL94



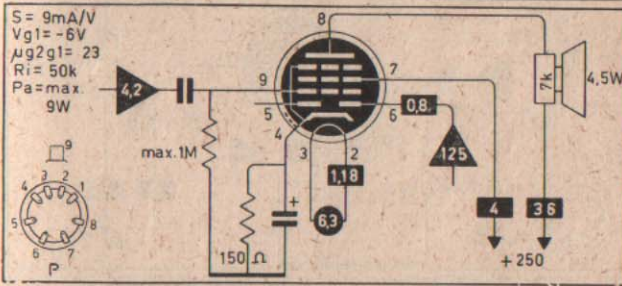
DL95



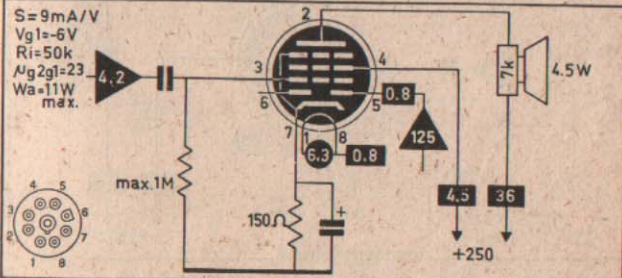
DL96

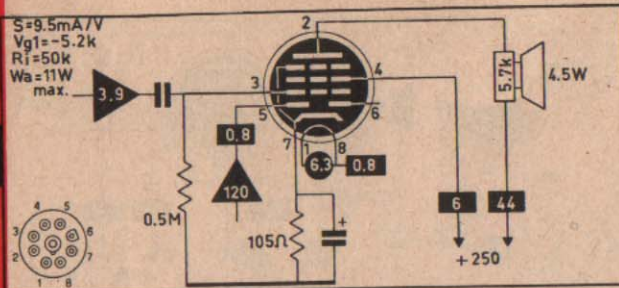
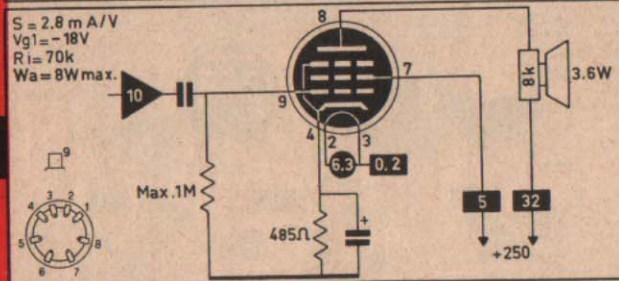
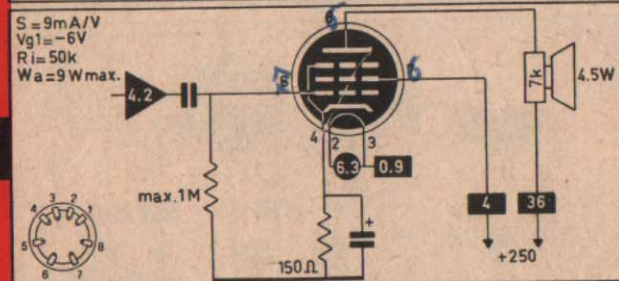
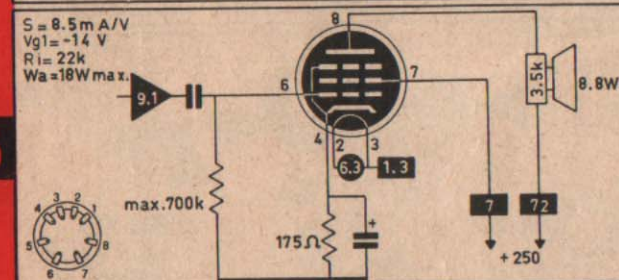
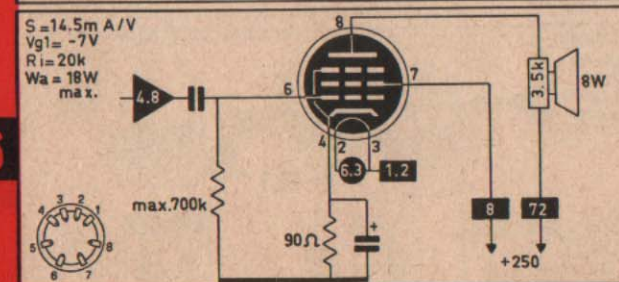


EBL1

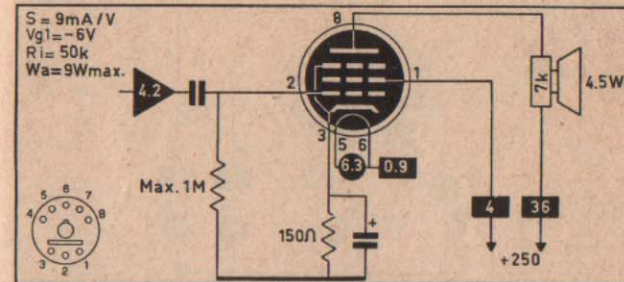
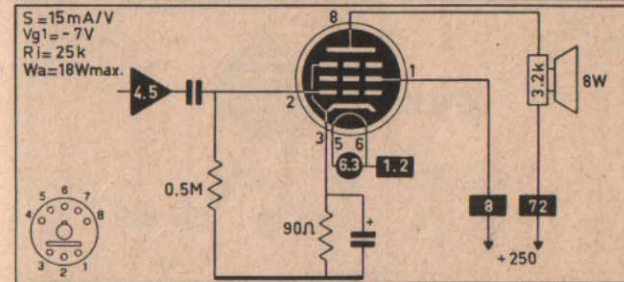
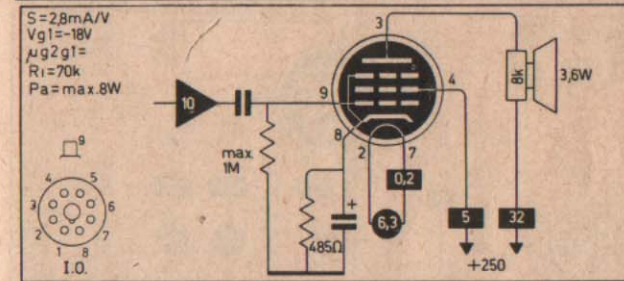
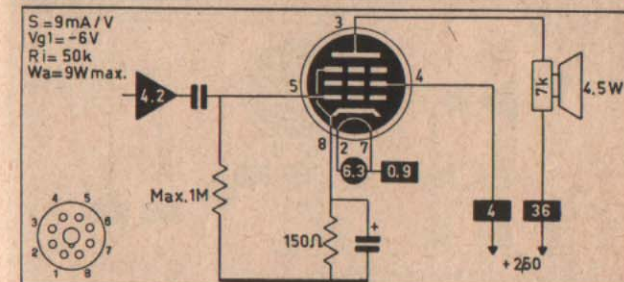
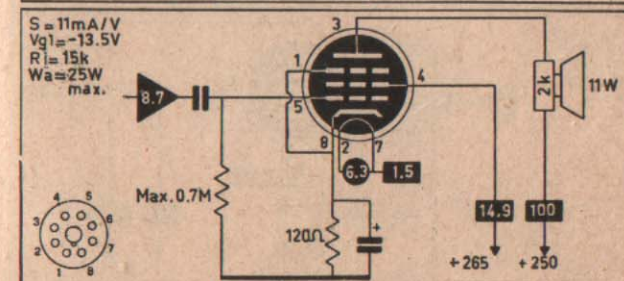


EBL21

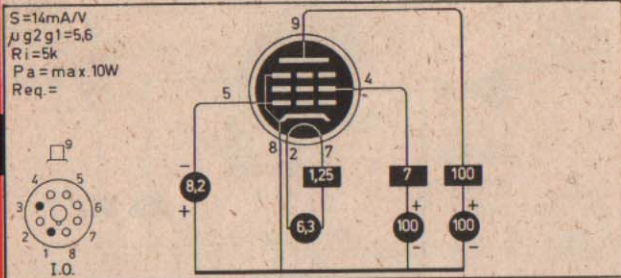
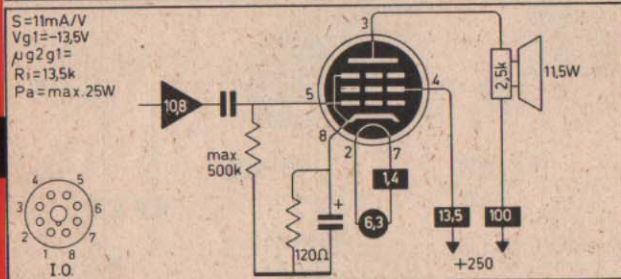
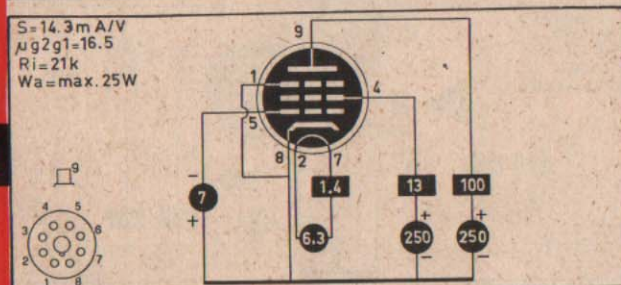
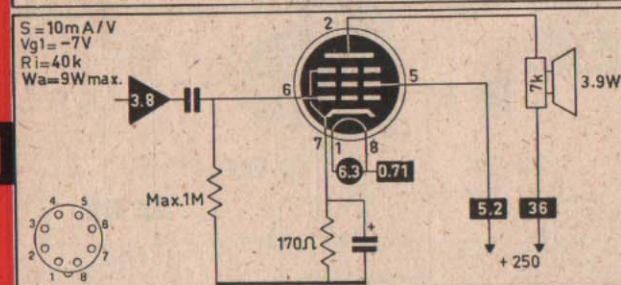
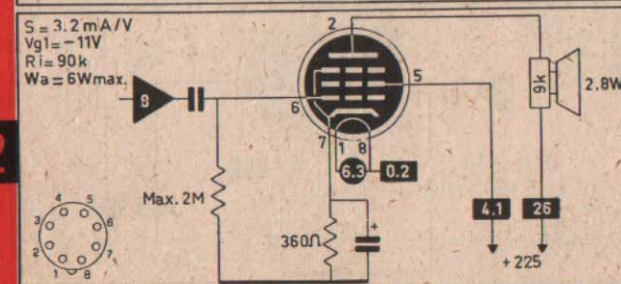
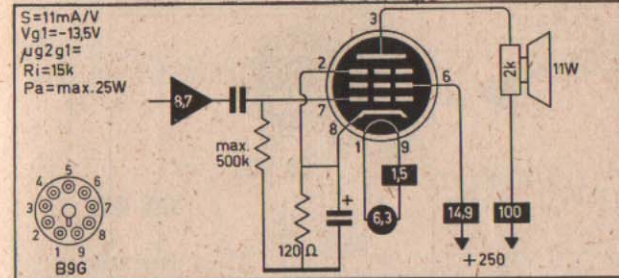
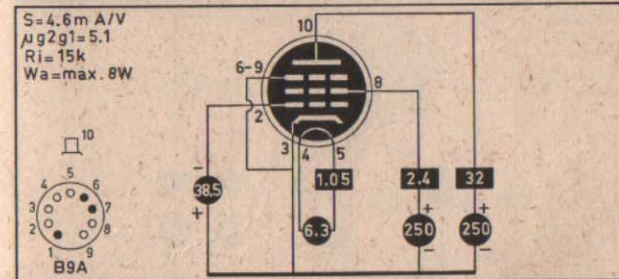
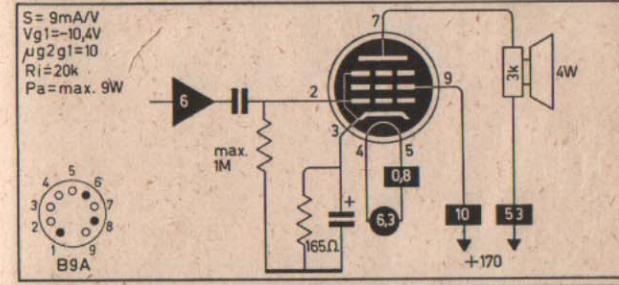
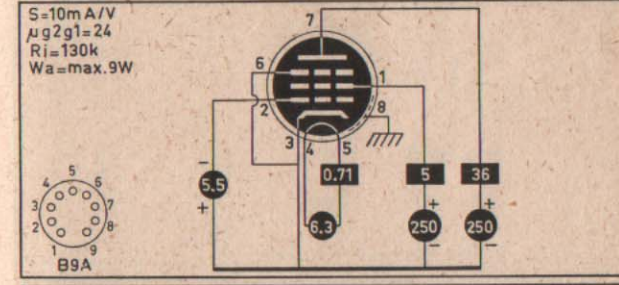
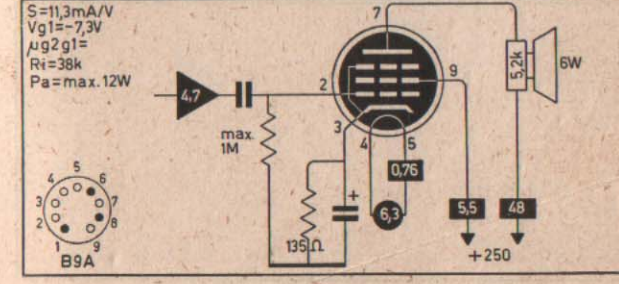


EBL71**EL2****EL3****EL5****EL6**

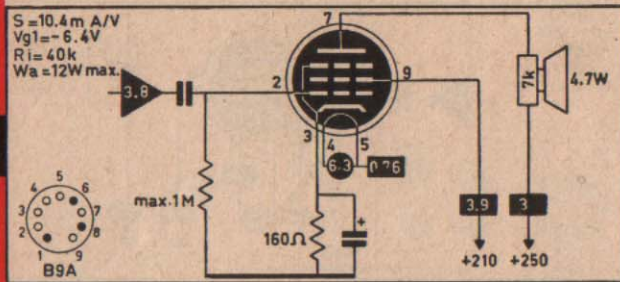
220

EL11**EL12****EL32****EL33****EL34**

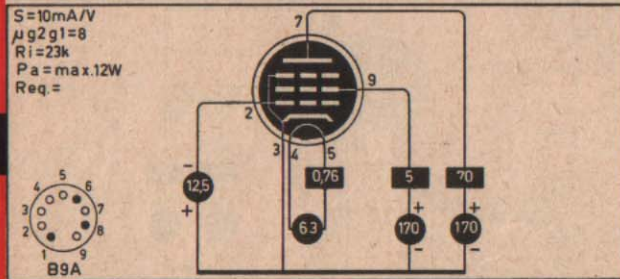
221

EL36**EL37****EL38****EL41****EL42****EL60****EL81****EL82****EL83****EL84**

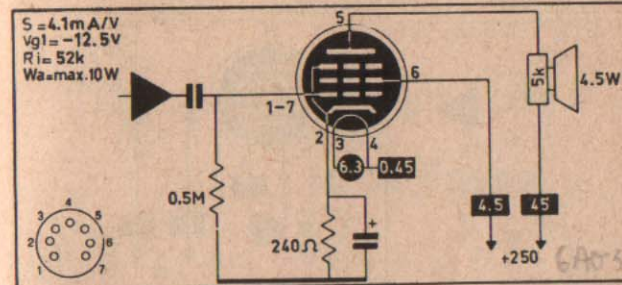
EL84



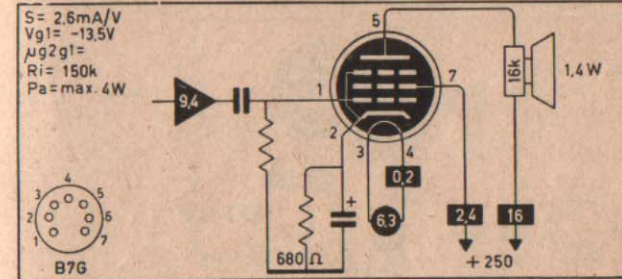
EL86



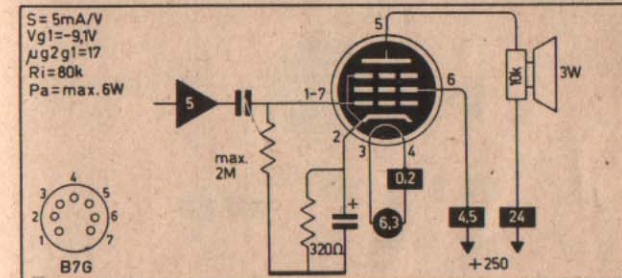
EL90



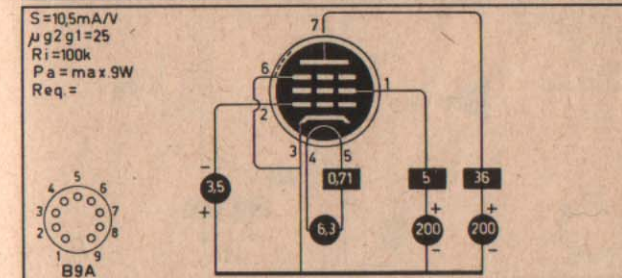
EL91



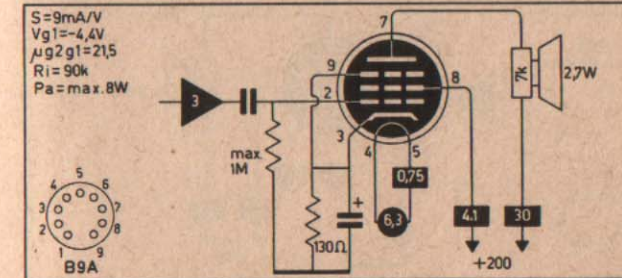
EL95



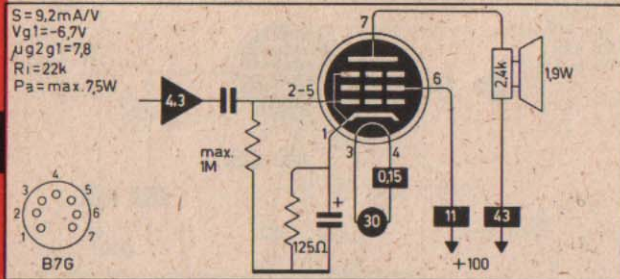
EL803



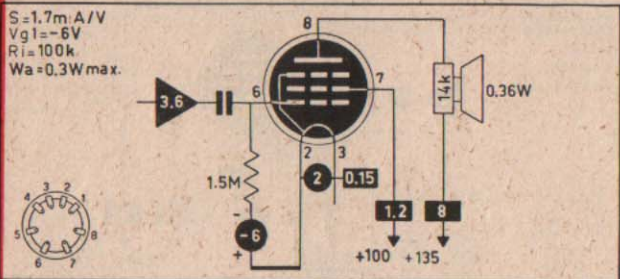
E80L



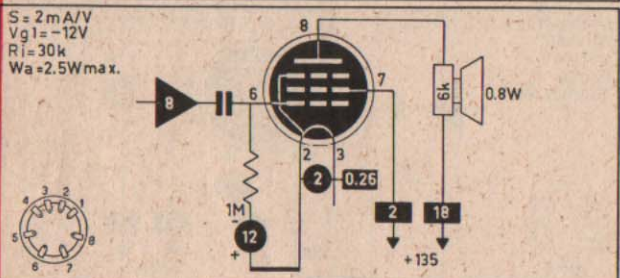
HL94



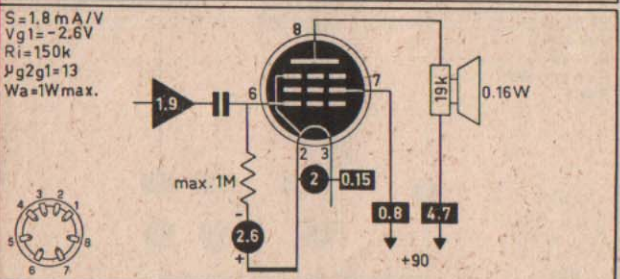
KL1



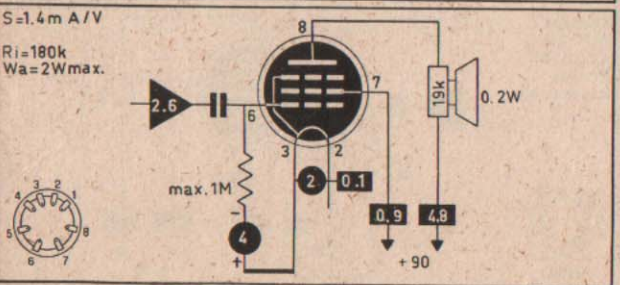
KL2



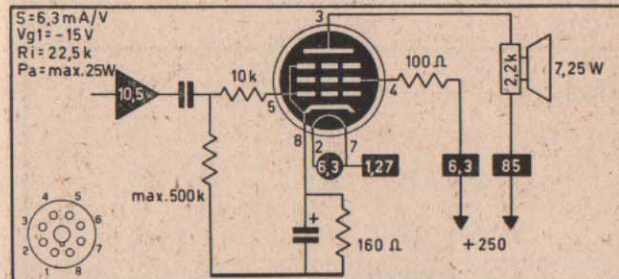
KL4



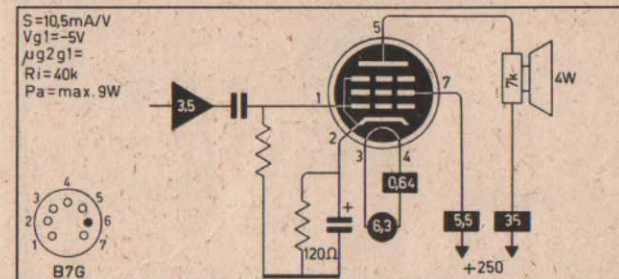
KL5



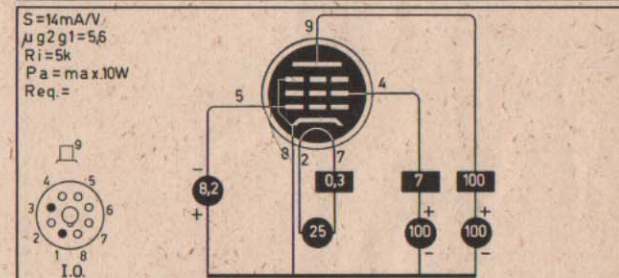
KT66

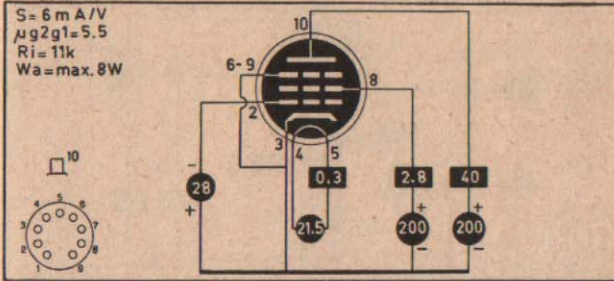


N78

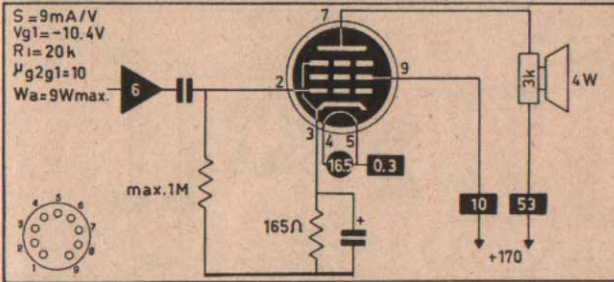


PL36

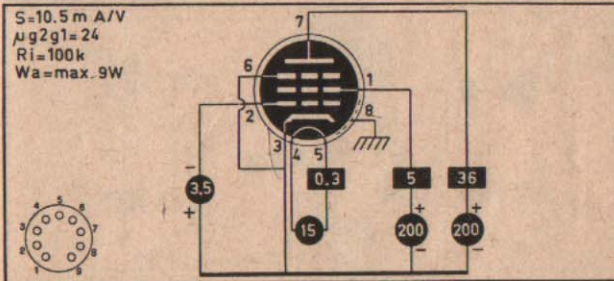




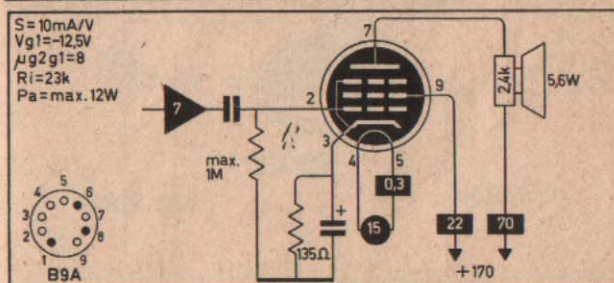
PL81



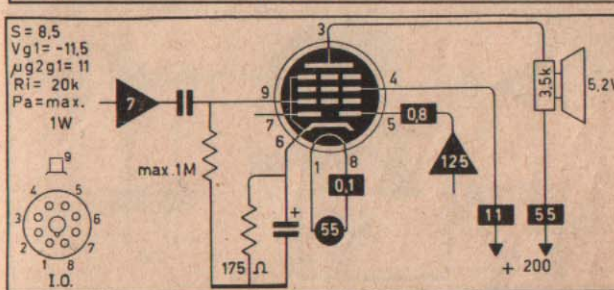
PL82



PL83

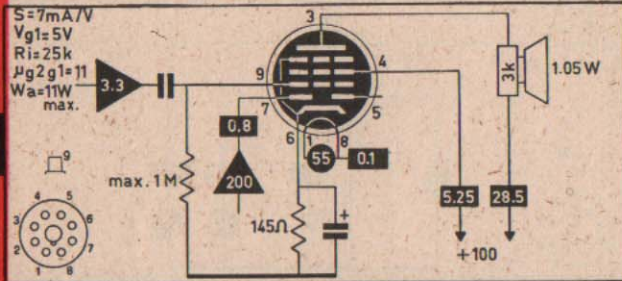


PL84

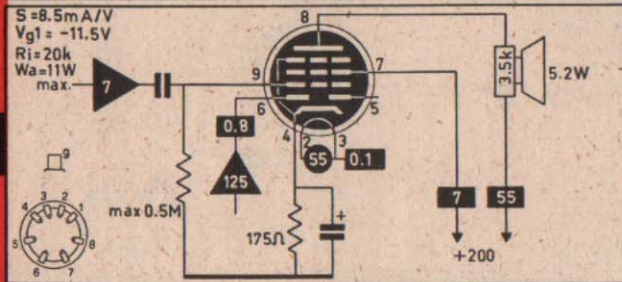


UBL1

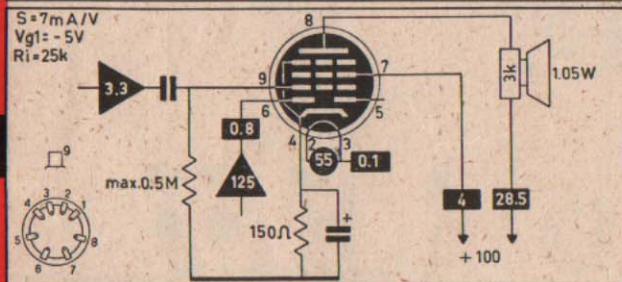
UBL1



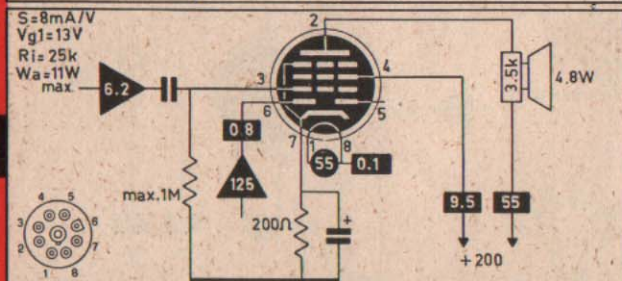
UBL3



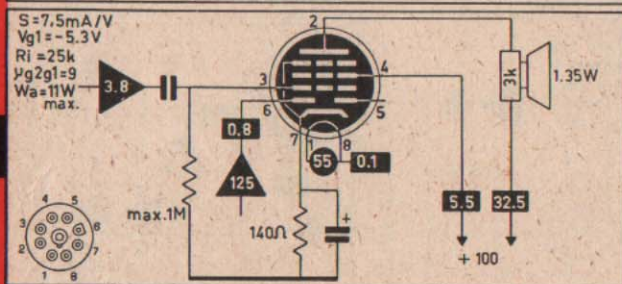
UBL3



UBL21

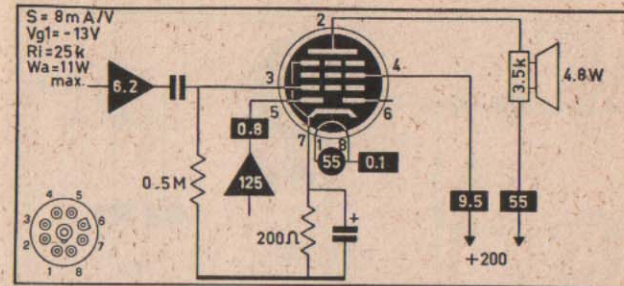


UBL21

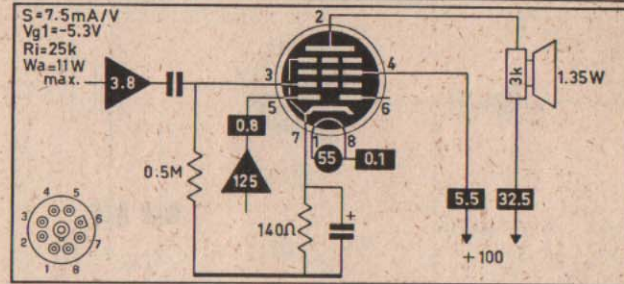


230

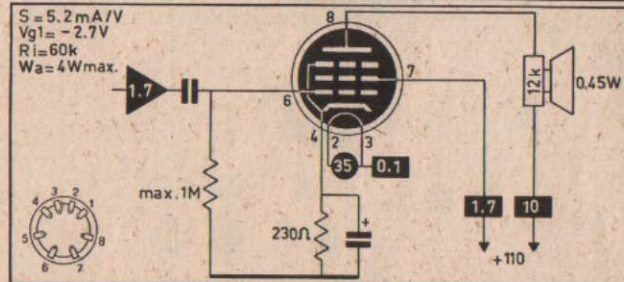
UBL71



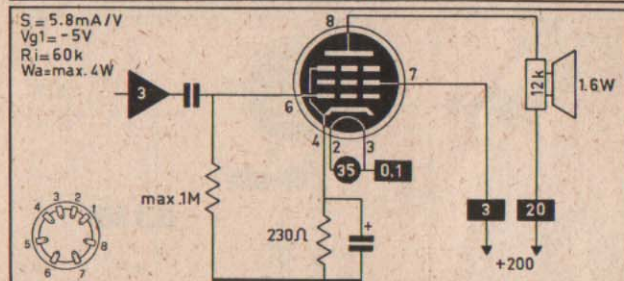
UBL71



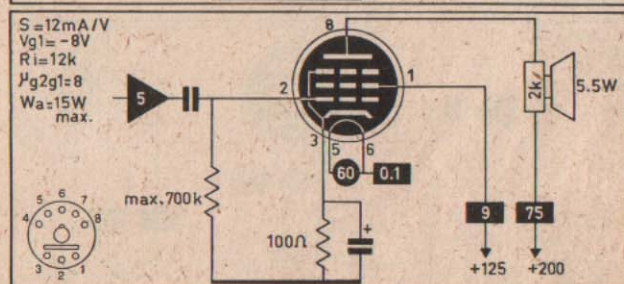
UL2



UL2

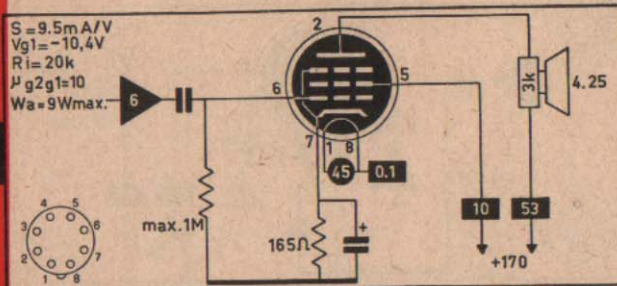


UL12

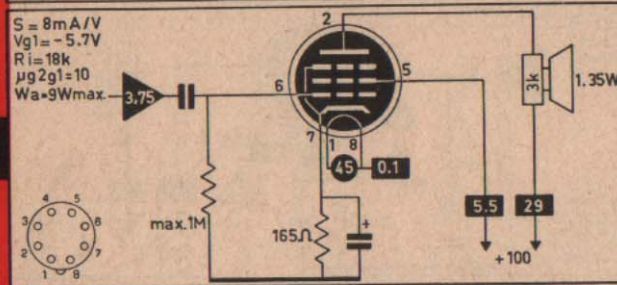


231

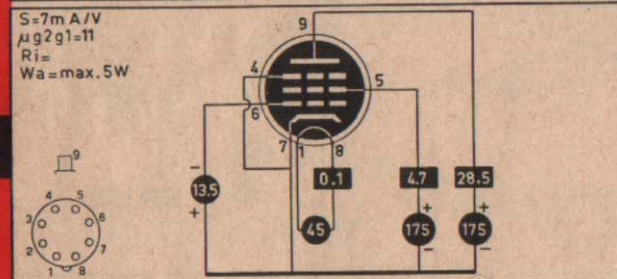
UL41



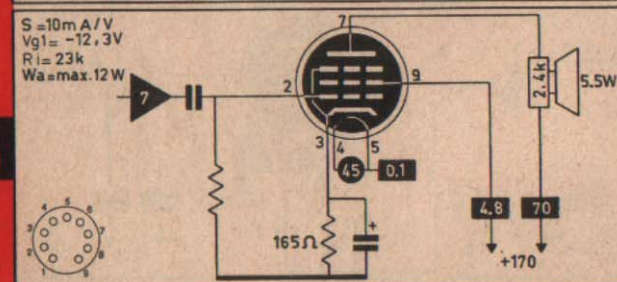
UL41



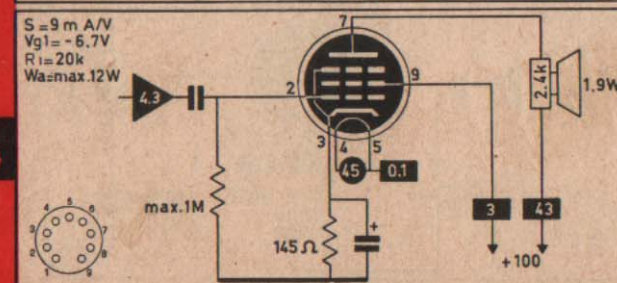
UL44

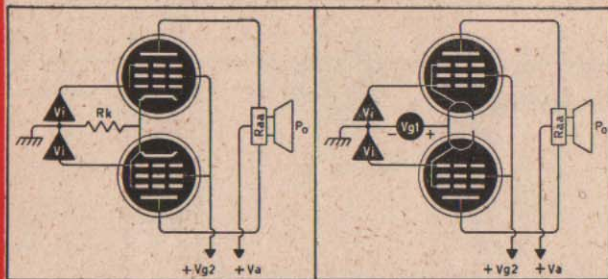


UL84



UL84





Va	Vg2	Vi	Ia	Ig2	Rk	Raa	Po	d	
V	V	V	mA	mA	Ω	k	W	%	
		(max)	(Vi=0)						
2A3	300	-	2x78	2x40	-	780	5	10	5
3E5	90	90	2x7,9	2x3,25	2x0,6	560	20	0,42	4
3Q4	120	120	2x9,9	2x5,7	2x1,25	470	14	0,9	5
3V4	120	120	2x9,9	2x5,7	2x1,25	470	14	0,9	5
5AQ5	250	250	2x15	2x35	2x2,5	200	10	10	5
5CZ5	350	280	2x23	2x23	2x1,5	7,5	21,5	1	
6A3	300	-	2x78	2x40	-	780	10	5	
6AM5	250	250	2x12	2x11	2x1,6	600	24	4	3,2
6AQ5	250	250	2x15	2x35	2x2,5	200	10	10	5
6B4	300	-	2x78	2x40	-	780	5	10	5
6CZ5	350	280	2x23	2x23	2x1,5	7,5	21,5	1	
6F6	315	285	2x24	2x31	2x6	320	10	11	4
6L6	360	270	2x20	2x44	2x2,5	250	9	24,5	4
6V6	285	285	2x19	2x35	2x2	260	8	14	3,5
7C5	250	250	2x15	2x35	2x2,5	200	10	10	5
12AB5	250	250	2x15	2x35	2x2,5	200	10	10	5
12AQ5	250	250	2x15	2x35	2x2,5	200	10	10	5
12L6	360	270	2x20	2x44	2x2,5	250	9	24,5	4
12V6	285	285	2x19	2x35	2x2	260	8	14	3,5
19AQ5	250	250	2x15	2x35	2x2,5	200	10	10	5
42	315	285	2x24	2x31	2x6	320	10	11	4
807	500	300	2x25	2x50	2x1,5	270	9	32,5	2,7
4654	425	425	2x27	2x46,5	2x5,4	265	6,5	27,5	5
4699	375	375	2x14	2x52	2x6,5	125	6	27,5	4
AL4	250	250	2x6,7	2x24	2x2,8	140	10	8,2	3,1

Va	Vg2	Vi	Ia	Ig2	Rk	Raa	Po	d
V	V	V	mA	mA	Ω	k	W	%
		(max)	(Vi=0)					
375	275	2x16	2x48	2x5	165	6,5	28,5	2,3
200	200	2x14	2x33	2x3,5	135	4,5	8	2,5
200	125	2x11	2x45	2x5	250	4,5	12,1	1,8
90	90	2x5	2x1,5	2x0,25	18	0,48	5	
120	120	2x9,9	2x5,7	2x1,25	470	14	0,9	5
120	120	2x9,9	2x5,7	2x1,25	470	14	0,9	5
90	90	2x7,9	2x3,25	2x0,6	560	20	0,42	4
300	300	2x7	2x30	2x3,8	130	9	13,2	1,8
250	250	2x17	2x27,5	2x4,5	300	8	8	1,4
250	250	2x6,7	2x24	2x2,8	140	10	8,2	3,1
250	275	2x13	2x58	2x6,25	120	4,5	19,5	5,1
250	250	2x7,3	2x45	2x5,1	90	5	14,5	2,2
250	250	2x7,3	2x45	2x5,1	90	5	14,5	2,2
250	250	2x17	2x27,5	2x4,5	300	8	8	1,4
250	250	2x6,7	2x24	2x2,8	140	10	8,2	3,1
350	350	2x21	2x75	2x11,5	130	3,4	35	5
250	250	2x5,6	2x36	2x5,2	85	7	9,4	4,6
250	250	2x13	2x20	2x3,2	310	15	7	5,5
350	350	2x21	2x75	2x11,5	130	3,4	35	5
300	300	2x10	2x36	2x4	130	8	17	4
250	250	2x15	2x35	2x2,5	200	10	10	5
250	250	2x12	2x11	2x1,6	600	24	4	3,2
250	250	2x9	2x22	2x4	360	10	7	5
250	250	2x7,8	2x23,5	2x3,2	150	9	9	4,5
135	135	2x6,2	2x1,5	2x0,3	35	0,8	7,8	
135	135	2x8,7	2x2	2x0,35	25	1,05	7	
390	275	2x24	2x52	2x2,5	250	8	30	6
200	200	2x14	2x45	2x8,5	135	4	12	5
170	170	2x13	2x56,5	2x3	120	3,5	13	4,5
200	200	2x12	2x50	2x7,8	116	4	12,5	3,9
170	170	2x9,3	2x44	2x8,8	100	4	9	4

1) Vg1=-12V 2) Vg1=-7,5V 3) Vg1=-6,4V 4) Vg1=-8V

AL5
CL4
CL6
DL41
DL94
DL95
DL96
EBL21
EL2
EL3
EL5
EL6
EL12
EL32
EL33
EL34
EL41
EL42
EL60
EL84
EL90
EL91
EL95
E80L
KL4
KL5
KT66
PL82
PL/UL8
UBL21
UL41

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1C5	DL35	-	-
1C5G	-	CV1803	-
1C5GT	-	CV1805 VT125 x	-
1LB4	-	CV776	-
1Q5	-	CV1824	-
1Q5GT	-	CV1826	-
1S4	DL91	CV783 VT210 x	-
1T5	-	CV786 CV1829	-
2A3	-	CV1831	6A3
2A5	-	CV1834	-
3A4	DL93	CV807 CV2300	-
-3C4-	DL96	-	-
3D6	-	CV2710	-
3LF4	-	VT180 x	3Q5
3Q4	DL95	CV818	-
3Q5	-	CV819	3LF4
3Q5GT	-	VT221 x	-
3S4	DL92	CV820 VT174 x	-
3V4	DL94	CV2983	-
5AQ5	-	-	6AQ5 12AQ5 19AQ5 EL90
5CZ5	-	-	6CZ5
6A3	-	CV730	2A3
6AC5	-	CV844 CV845	-
6AG7	-	CV1882 VT247 x	-
6AK6	-	CV1762	6G6
6AM5	EL91	CV136	-
6AN5	-	CV2854	-
6AQ5	EL90	CV1862 CV2883 CV2937 CV4019	5AQ5 12AQ5 19AQ5
6AR5	-	-	6K6
6AV5	-	-	25AV5 6BQ6 6A3
6B4	-	-	-
6B4G	-	CV851	-
6BG6	-	-	19BG6
6BK5	-	-	12BK5 25BK5
-6BQ5-	EL84	-	-
6BQ6	6CU6	-	12BQ6 17BQ6 25BQ6
6CA5	-	-	12CA5
-6CA7-	EL34	-	-
6CD6	-	-	25CD6 50CD6
-6CJ6-	EL81	-	-
-6CK5-	EL41	-	-
-6CK6-	EL83	-	-
-6CN6-	EL38	-	-
6CU6	6BQ6	-	12CU6

x) American VT

	==	∩	⊙
-6CW5-	EL86	-	-
6CZ5	-	-	5CZ5
-6DL5-	EL95	-	-
6DQ6A	-	-	12DQ6A 17DQ6A 25DQ6A
6F6	-	CV731 CV1186 CV1912 VT66 x	-
6F6G	-	ARP17 CV1911 NR85 VT66A x	-
6G6	-	CV1926	6AK6
6G6G	-	VT198A x	-
6K6	-	CV1940 VT52 x	7B5
6K6G	-	CV1938 VT152A x	-
6K6GT	-	VT152	-
6L6	-	CV1948 CV2817 VT115 x	25L6
6L6G	-	CV1286 CV1947 VT115A x	-
6L6WGA	-	CV3618	-
6L6WGB	-	CV2796	-
6P25	-	CV1853	-
6V6	-	CV510 VT107 x	7C5
6V6G	-	ARP32 CV509 VT107B x	-
6V6GT	-	CV511 VT107A x	-
6Y6	-	CV515	25C6
7B5	-	CV880 CV881	6K6
7C5	-	CV885 CV886	6V6
7D9	6AM5 EL91	CV2002 CV2003	-
12A6	-	CV525 VT134 x	-
12A6GT	-	CV526	-
12AQ5	-	-	5AQ5 6AQ5 19AQ5 EL90
12BK5	-	-	6BK5 25BK5
12BQ6	-	-	6BQ6 17BQ6 25BQ6
12CA5	-	-	6CA5
12CU6	-	-	6CU6
12DQ6A	-	-	6DQ6A 17DQ6A 25DQ6A

x) American VT

	=		Y	
12L6	-	-	25L6	-
12V6	-	-	6V6	-
-15A6-	PL83	-	-	-
-16A5-	PL82	-	-	-
17BQ6	-	-	6BQ6	-
			12BQ6	-
			25BQ6	-
17DQ6A	-	-	6DQ6A	-
			12DQ6A	-
			25DQ6A	-
19AQ5	-	-	5AQ5	-
			6AQ5	-
			12AQ5	-
			EL90	-
19BG6	-	-	6BG6	-
-21A6-	PL81	-	-	-
25A6	-	CV549	-	-
25A6G	-	CV550	-	-
25AV5	-	-	6AV5	-
25B6	-	CV939	-	-
25BK5	-	-	6BK5	-
			12BK5	-
25BQ6	-	-	6BQ6	-
			12BQ6	-
			17BQ6	-
25C6	-	-	6Y6	-
25CD6	-	-	6CD6	-
25DQ6A	-	-	6DQ6A	-
			12DQ6A	-
			17DQ6A	-
25L6	-	CV551	50L6	-
		CV552		
		VT201 ^{xy}		
25L6G	-	VT201C ^{xy}	-	-
25L6GT	-	CV553	-	-
35A5	-	CV1753	-	35L6
35B5	-	-	-	35C5
35C5	-	-	-	35B5
35L6	-	CV561	-	35A5
35L6GT	-	CV562	-	-
41	-	CV608	-	-
42	-	ARP30	-	-
		CV609	-	-
		CV1712	-	-
43	-	CV2514	-	-
45	-	CV610	-	-
-45A5-	UL41	-	-	-
50A5	-	-	-	50L6
50B5	-	-	-	50C5
50C5	-	CV1959	-	50B5
50CD6	-	-	6CD6	-
			25CD6	-
50L6	-	CV2534	25L6	50A5
50L6GT	-	CV571	-	-
59	-	CV2538	-	-
89	-	CV833	-	-
807	-	CV124	-	-
		CV1364	-	-
		CV1572	-	-
		VT60 ^{xy}	-	-
		VT100 ^{xy}	-	-

x) American VT; xx) British VT

	=		Y	
4699	-	-	EL6	-
ABL1	-	-	EBL1	-
AL1	-	CV159	-	-
AL4	-	-	EL3	-
AL5	-	-	EL5	-
CBL1	-	-	-	CBL31
CBL31	-	CV1463	-	CBL1
CL4	-	CV2875	-	-
DL35	1C5	-	-	-
DL91	1S4	-	-	-
DL92	3S4	CV2370	-	-
DL93	3A4	-	-	-
DL94	3V4	-	-	-
DL95	3Q4	-	-	-
DL96	-3C4-	-	-	-
EBL1	-	-	ABL1	-
EBL21	EBL71	-	-	-
EBL71	EBL21	-	-	-
EL2	-	CV1429	-	EL32
EL3	-	-	AL4	EL11
				EL33
EL5	-	-	AL5	-
EL6	-	-	4699	EL12
EL11	-	-	-	EL3
				EL33
EL12	-	-	-	EL6
EL32	-	CV996	-	EL2
		CV1052		
		VT52 ^{xy}		
EL33	-	CV2938	-	EL3
				EL11
EL34	-6CA7-	CV1741	-	EL60
EL36	-	-	PL36	-
EL37	-	CV586	-	-
EL38	-6CN6-	CV450	-	-
EL41	-6CK5-	CV3889	-	-
EL42	-	CV3890	-	-
EL60	-	-	-	EL34
EL81	-6CJ6-	-	-	-
EL83	-6CK6-	-	-	-
EL84	-6BQ5-	CV2975	-	-
EL86	-6CW5-	-	-	-
EL90	6AQ5	-	5AQ5	-
			12AQ5	-
			19AQ5	-
EL91	6AM5	-	-	-
	7D9	-	-	-
EL95	-6DL5-	-	-	-
KT66	-	CV321	-	-
		CV1075		
		VT75 ^{xy}		
PL36	-	-	EL36	-
PL81	-21A6-	-	-	-
PL82	-16A5-	-	-	-
PL83	-15A6-	-	-	-
PL84	-	-	UL84	-
UBL1	-	-	-	UBL3
UBL21	UBL71	-	-	-
UBL71	UBL21-	-	-	-
UL41	-45A5-	CV1977	-	-
UL84	-	-	PL84	-

xx) British VT