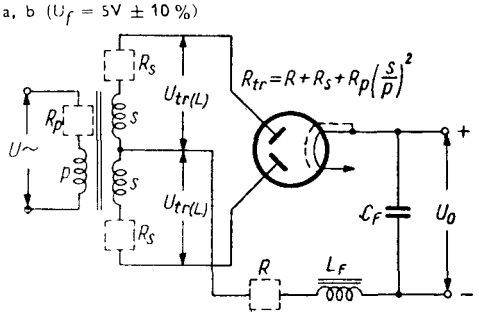
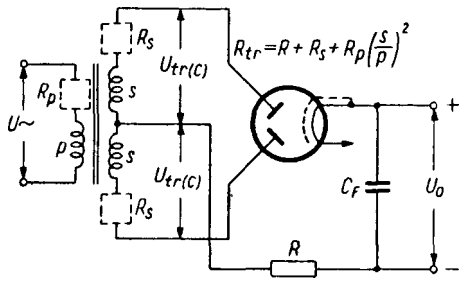
T.			U_f	I_f	$U_{tr(C)}$	$U_{tr(L)}$	U_p	I_o	I_p	R_{tr}	L_F	C_F
			V	A	V	V	V	mA	mA	Ω	H	µF
					300			300		150		60
					350			250		150		60
GZ 32	eur	1	5	2		400		300			10	
						500		250			10	
					300			250		140		60
					400			250		200		60
					500			250		250		60
GZ 33	Mul	1	5	3		300		300			10	
						400		300			10	
						500	1400	300	750		10	
					300			250		75		60
					450			250		150		60
					550			160		200		60
GZ 34	eur	1	5	1,9		300		250			10	
						450		250			10	
						550	1500	225	750		10	
					300			250		75		4
					400			250		75		4
					500			250		75		4
GZ 37	Mul	1	5	2,8		300		350			10	
						400		350			10	
						500	1600	350	750		10	
					500			250		180		16
U 52	MOG	2	5	2,25		550	1430	275	770	180	10	
U 54	MOG	1	5	2	500		1250	250	1500	75		4
5 T 4	amer	2	5	2								
5 U 4-G	int	2	5	3	300			245		170		32
5 U4-WG[1])	amer	2	5	3	450			225		170		32
5 X 4-G	amer	3	5	3				225				
5 Z 3	int	4	5	3		550	1550		675		10	
83	int	5	5	3								
1275	Syl	4	5	1,75								
					450			250				32
5 U 4-GA	amer	2	5	3		550	1550	250	900		10	
					300			300		21		32
5 U 4-GB	int	2	5	3	450			275		67		32
5 Z 3-GB	int	4	5	3		550	1550	275	1000		10	
					300			350		30		40
5 AU 4	amer	2	5	4,5	400			325		50		40
						500		325			10	
					450			250				10
5 AW 4	Hyt	2	5	4		550	1550	250	750		10	
5 Ц 9 C	CCCP	6	5	3	500		1700	205	600			4
54 KU	Cos	1	5	2,3	300			300				

[1]) vide *4 a, b (U_f = 5V ± 10 %)

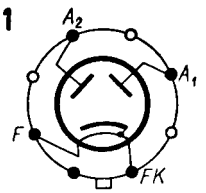




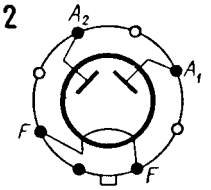
Equivalents

WT-270 X	amer	= 5 Z 3
WTT-135	amer	= 5 U 4-G
5 AR 4	amer	= G Z 34
5 AS 4	amer	= 5 U 4-GB
5 AS 4-A	amer	= 5 U 4-GB
5 BX 3	CCCP	= 5 U 4-G
5 C 3 S	Pol	= 5 U 4-G
5 V 4-GB	amer	= GZ 32
5 Ц 3 C	CCCP	= 5 U 4-G
22 S 2	STCS	= 5 Z 3
53 KU	Cos	= GZ 33
1502	CCCP	= 5 Ц 9 C
5931[1])	amer	= 5 U 4-WG

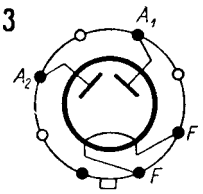
[1]) vide* 4, a, b ($U_f = 5V \pm 10\,\%$)

1 

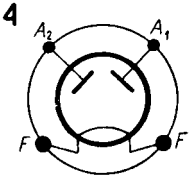
GZ32

2 

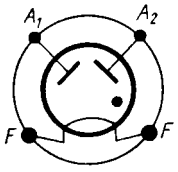
U52

3 

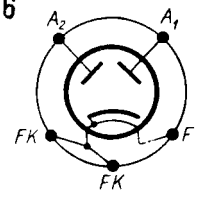
5X4-G

4 

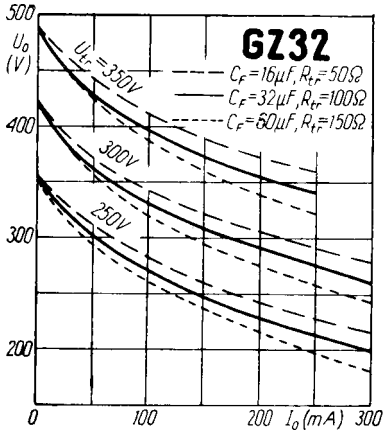
5Z3

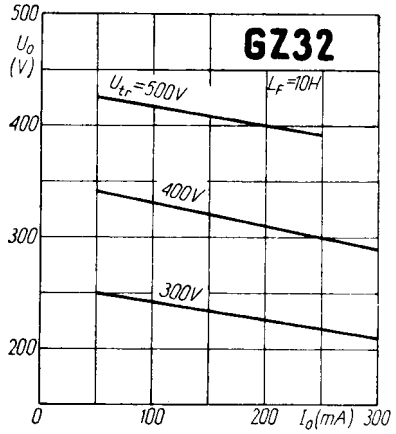
5 

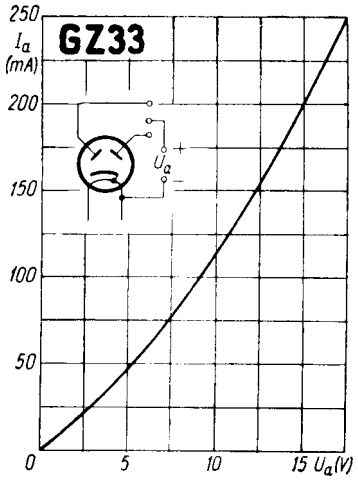
83

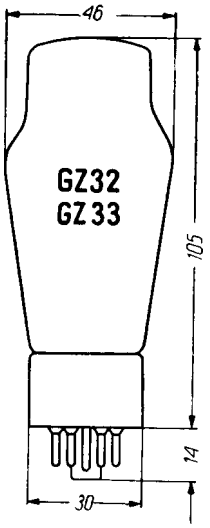
6 

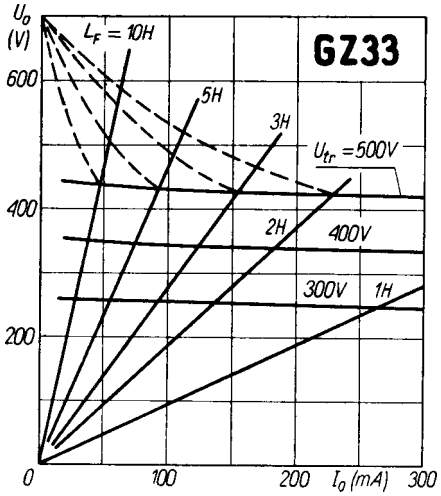
5Ц9C

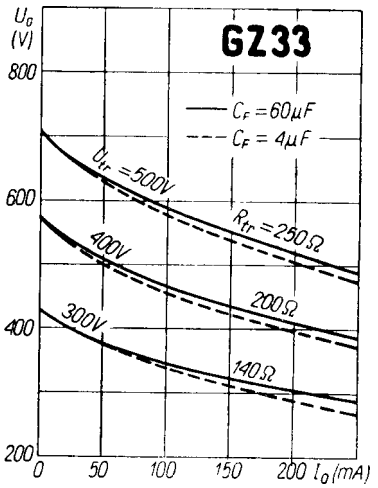


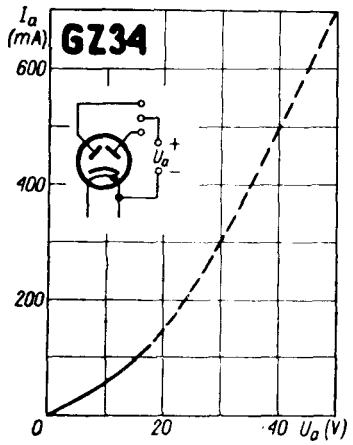


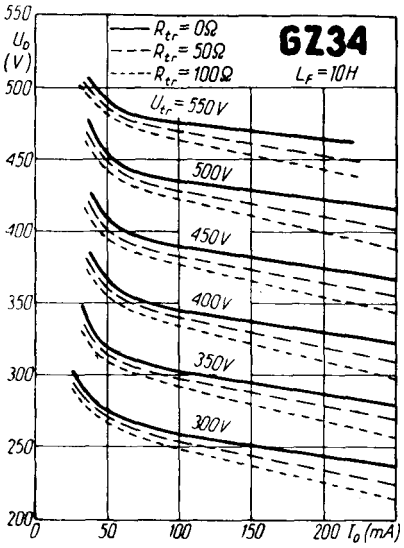


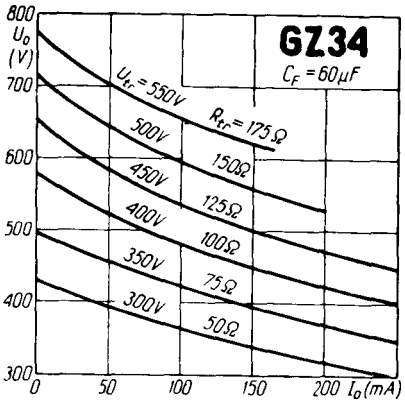


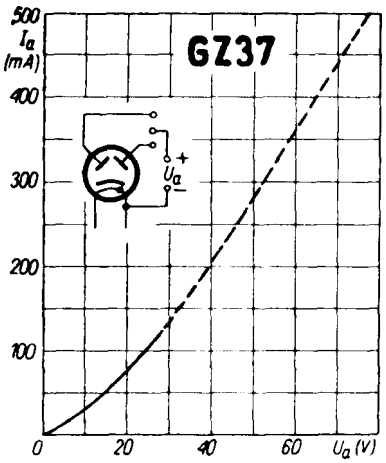


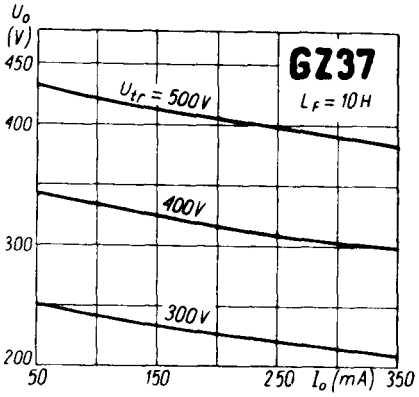


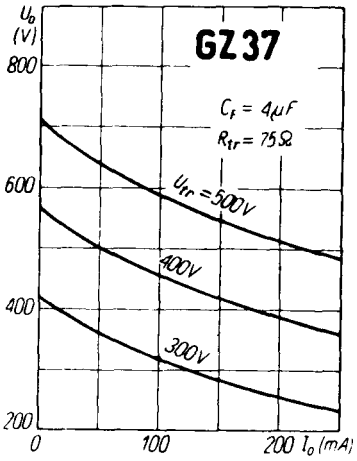

GZ34
I_a (mA)
600
400
200
0
20
40
U_a (V)
U_a

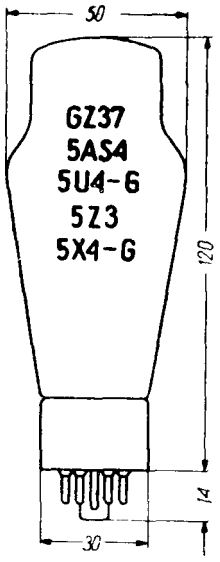

GZ34
L_f = 10H
R_{tr} = 0Ω
R_{tr} = 50Ω
R_{tr} = 100Ω
U_o (V)
U_{tr} = 550V
500V
450V
400V
350V
300V
550
500
450
400
350
300
250
200
0
50
100
150
200
I_o (mA)

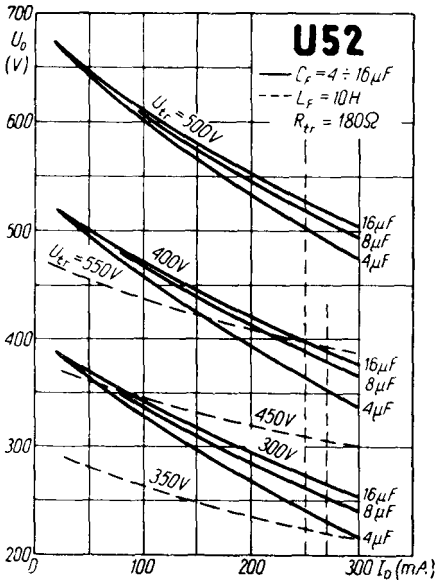

GZ34
C_f = 60μF
U_o (V)
U_{tr} = 550V
500V
450V
400V
350V
300V
R_{tr} = 175Ω
150Ω
125Ω
100Ω
75Ω
50Ω
800
700
600
500
400
300
0
50
100
150
200
I_o (mA)

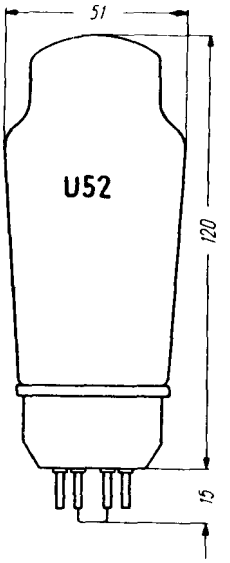

GZ37
I_a (mA)
500
400
300
200
100
0
20
40
60
U_a (V)
U_a

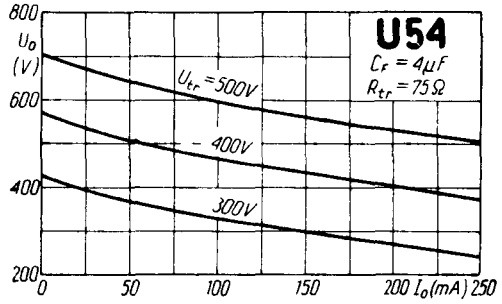

GZ37
L_f = 10H
U_o (V)
U_{tr} = 500V
400V
300V
450
400
300
200
50
150
250
I_o (mA)
350

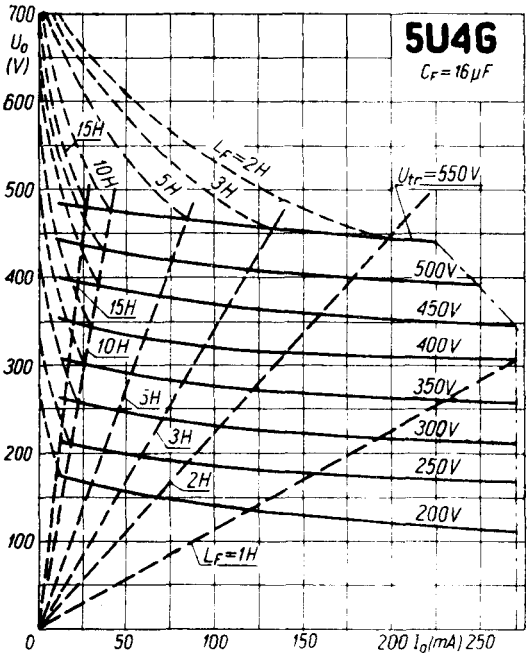

GZ37
C_f = 4μF
R_{tr} = 75Ω
U_o (V)
U_{tr} = 500V
400V
300V
800
600
400
200
0
100
200
I_o (mA)

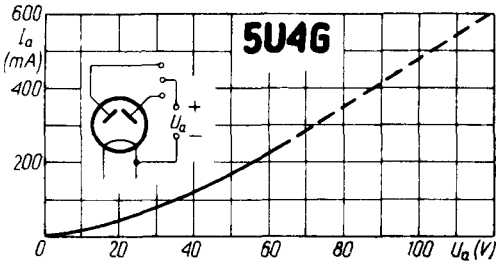

50
GZ37
5AS4
5U4-G
5Z3
5X4-G
120
14
30

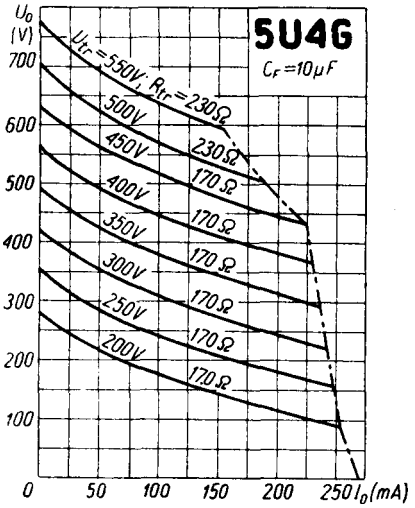

U52
C_f = 4 ÷ 16μF
L_f = 10H
R_{tr} = 180Ω
U_o (V)
U_{tr} = 500V
400V
450V
300V
350V
16μF
8μF
4μF
700
600
500
400
300
200
0
100
200
300
I_o (mA)

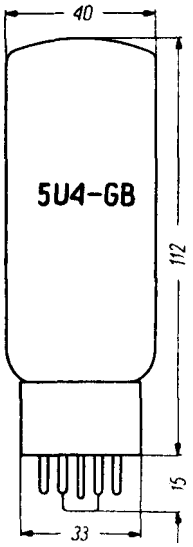

51
U52
120
15

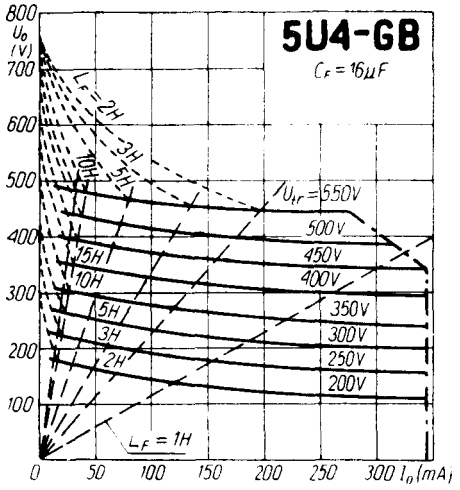

U54
$C_F = 4\mu F$
$R_{tr} = 75\Omega$
U_o (V)
$U_{tr} = 500V$
400V
300V
I_o(mA)

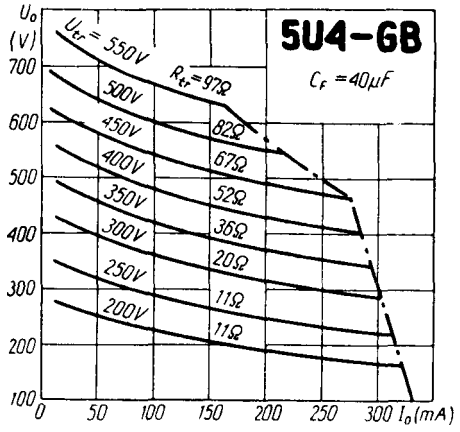

5U4G
$C_F = 16\mu F$
U_o (V)
$U_{tr} = 550V$
500V
450V
400V
350V
300V
250V
200V
15H
10H
5H
3H
2H
$L_F = 2H$
$L_F = 1H$
I_o(mA)

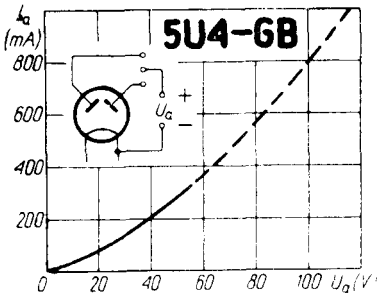

5U4G
I_a (mA)
U_a
U_a (V)

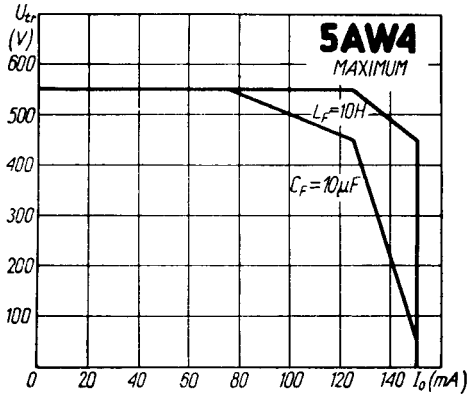

5U4G
$C_F = 10\mu F$
U_o (V)
$U_{tr} = 550V$, $R_{tr} = 230\Omega$
500V
450V
400V
350V
300V
250V
200V
230Ω
170Ω
I_o(mA)

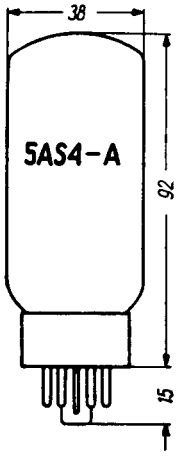

40
5U4-GB
112
15
33

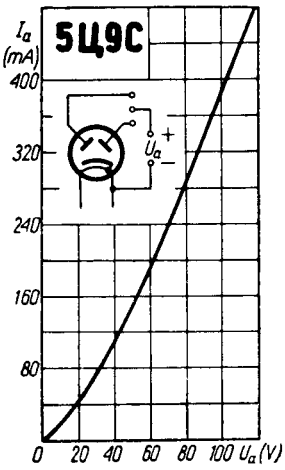

5U4-GB
$C_F = 16\mu F$
U_o (V)
$L_F = 2H$
3H
5H
10H
15H
$L_F = 1H$
$U_{tr} = 550V$
500V
450V
400V
350V
300V
250V
200V
I_o(mA)

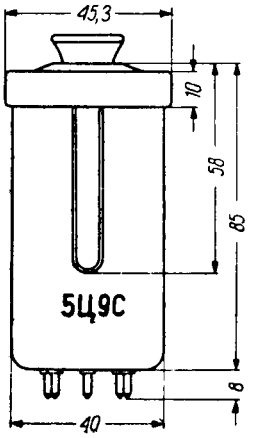

5U4-GB
$C_F = 40\mu F$
U_o (V)
$U_{tr} = 550V$
$R_{tr} = 97\Omega$
500V
450V
400V
350V
300V
250V
200V
82Ω
67Ω
52Ω
36Ω
20Ω
11Ω
11Ω
I_o(mA)


5U4-GB
I_a (mA)
U_a
U_a (V)


5AW4
MAXIMUM
L_F=10H
C_F=10μF
U_{cr} (V)
600
500
400
300
200
100
0 20 40 60 80 100 120 140 I_o(mA)


38
5AS4-A
92
15


5Ц9С
I_a (mA)
400
320
240
160
80
U_a
+
–
0 20 40 60 80 100 U_a(V)


45,3
10
58
85
5Ц9С
8
40