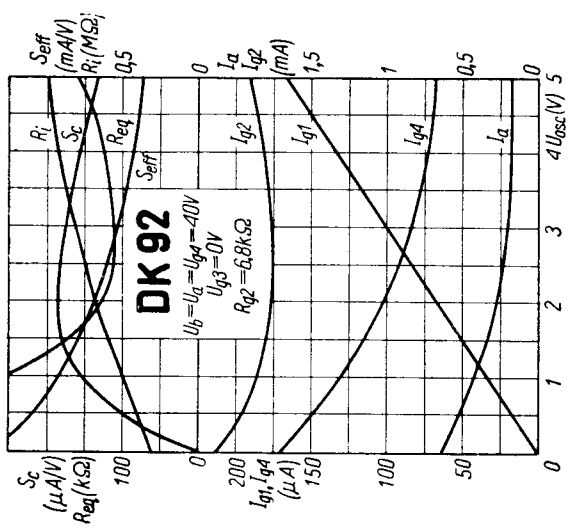
T.			U_f	I_f	U_b	R_{g2}	R_{g4}	U_a	U_{g2}	U_{g4}	U_{g3}	$U_{g1\approx}$	I_a	I_{g2}	I_{g4}	I_{g1}	S_c (S)	R_i	R_{g1}
			V	mA	V	kΩ	kΩ	V	V	V	V	V	mA	mA	mA	μA	μA/V	MΩ	kΩ
					40	6,8	0	40	28	40	0÷−2,9	2,5	0,25	1,75	0,09	80	180÷1,8	0,75	27
					63,5	22	0	63,5	30	63,5	0÷−4	4	0,7	1,55	0,15	130	300÷3	0,9	27
					85	33	180	85	30	60	0÷−6	4	0,65	1,65	0,14	130	325÷3,25	1	27
DK 92	eur	1	1,4	50				40	28	40	0	(+1,4)		3			(1100)[1]	μ^1)=9	
								63,5	30	63,5	0	(+1,4)		2,2			(800)[1]	μ^1)=7,5	
								85	30	60	0	(+1,4)		2,5			(900)[1]	μ^1)=7,5	
								120	60	90	maximum (f=30MHz; P_a = 0,2 W; P_{g2} = 0,2 W; P_{g4}=0,1 W; I_k=4 mA)							30
					45	12	0	45	29,5	45	0÷−4,4	4	0,56	1,3	0,15	85	325÷3,25	0,55	27
					64	18	0	64	35	64	0÷−4,5	4	0,55	1,6	0,12	85	275÷2,75	0,75	27
DK 96	eur	1	1,4	25	85	33	120	85	35	68	0÷−6,5	4	0,6	1,5	0,14	85	300÷3	0,8	27
								64	35	64	0	(+1,4)		1,7			(600)[1]	μ^1)=7,5	
								85	35	64	0	(+1,4)		1,7			(600)[1]	μ^1)=7,5	
								90	60	90	maximum (f=27,5 MHz; P_a=0,15 W; P_{g2}=0,1 W; P_{g4}=0,03 W; I_k=2,6mA)							100
					82	5,6	150	82	67,5	55		10[2])	0,86	3	0,23				
X 18	MOG	2	1,4	50				67,5	67,5	45	0÷−9	15[2])	1,1	2,85	0,35		296÷6	0,6	100
								90	67,5	45	0÷−9	15[2])	1,15	2,85	0,35		320÷6	0,6	100
								90	67,5	67,5	maximum (f = 26 MHz; I_k = 5,5 mA)								

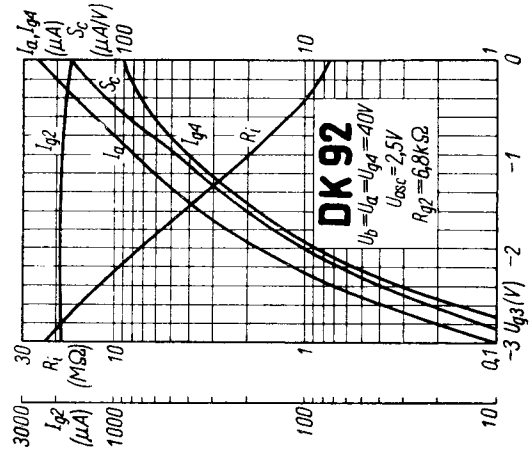
T.	$C_{g3/f}$	$C_{a/f}$	$C_{g2/f}$	$C_{g1/f}$	$C_{a/g3}$	$C_{a/g2}$	$C_{a/g1}$	$C_{g1/g3}$	$C_{g1/g2}$	$C_{g2/g3}$
	pF	pF	pF	pF	pF	pF	pF	pF	pF	pF
DK 92	7,5	8,4	5,2	3,9	0,36	0,3	0,11	0,2	3	1,6
DK 96	7,4	8,1	4,8	3,9	0,36	0,3	0,11	0,2	3	1,6
X 18	7	7		3,8	0,4		0,1		0,2	1,6

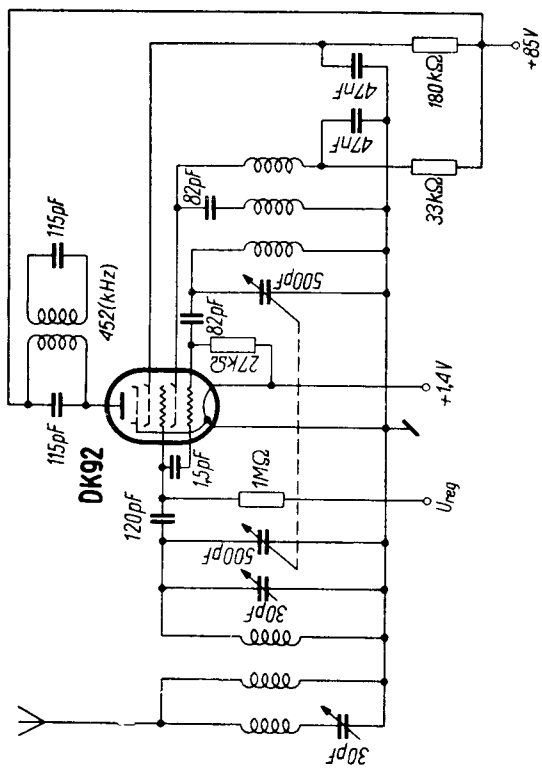
Equivalents

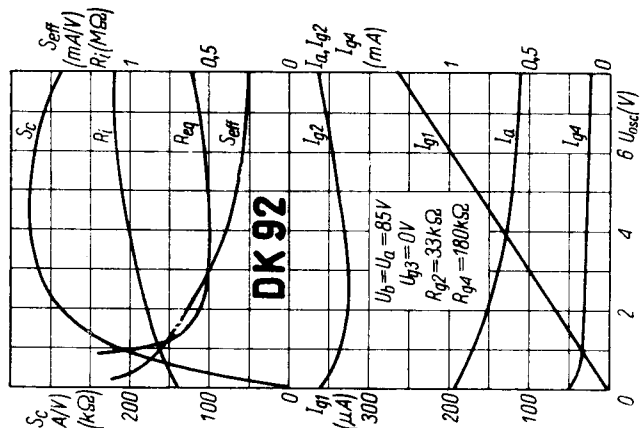
1 AB 6	amer	=	DK 96
1 AC 6	amer	=	DK 92
1 C 2	Maz	=	DK 92
1 H 35	Tes	=	DK 96

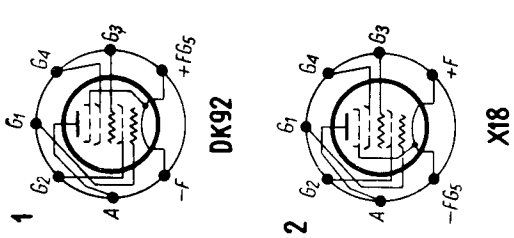
[1]) $S_{(g2/g1)}$; $\mu_{(g2/g1)}$
[2]) maximum

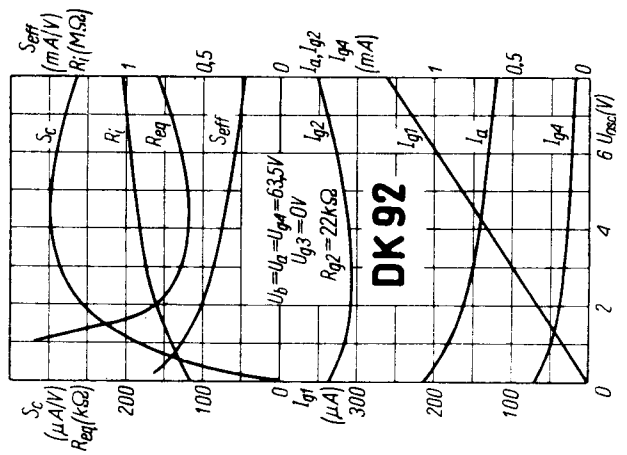

DK 92
$U_b = U_a = U_{g4} = 40V$
$U_{g3} = 0V$
$R_{g2} = 6{,}8k\Omega$
S_c (µA/V)
R_{eq} (kΩ)
S_{eff} (mA/V)
R_i (MΩ)
I_a
I_{g2} (mA)
I_{g1}, I_{g4} (µA)
U_{osc} (V)

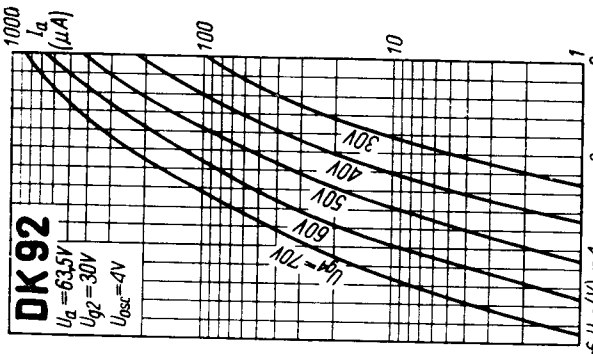

DK 92
$U_b = U_a = U_{g4} = 40V$
$U_{osc} = 2{,}5V$
$R_{g2} = 6{,}8k\Omega$
I_a, I_{g4} (µA)
S_c (µA/V)
I_{g2} (µA)
R_i (MΩ)
U_{g3} (V)

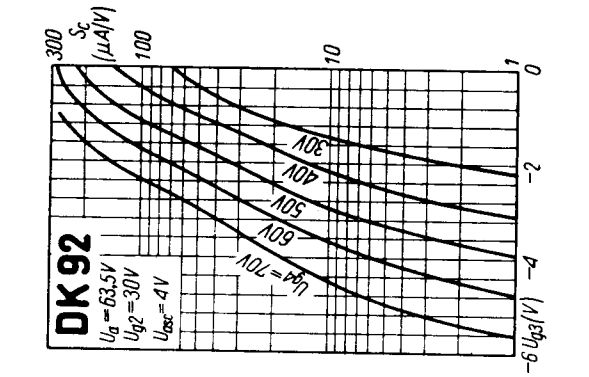

DK92
115pF
452(kHz)
115pF
120pF
1,5pF
1MΩ
30pF
500pF
30pF
82pF
82pF
500pF
27kΩ
47nF
47nF
180kΩ
33kΩ
+85V
+1,4V
U_{reg}

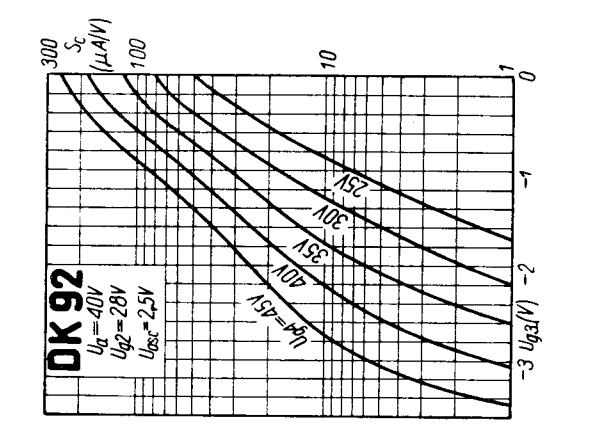

DK 92
$U_b = U_a = 85V$
$U_{g3} = 0V$
$R_{g2} = 33k\Omega$
$R_{g4} = 180k\Omega$
S_c (µA/V)
R_{eq} (kΩ)
S_{eff} (mA/V)
R_i (MΩ)
I_a, I_{g2}, I_{g4} (mA)
I_{g1} (µA)
U_{osc} (V)

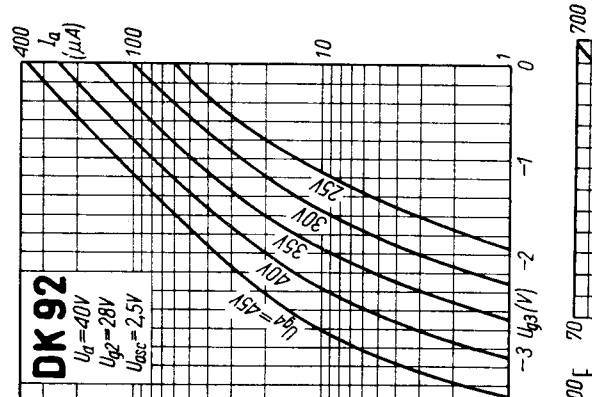

1
DK92
2
X18


DK 92
$U_b = U_{g4} = 63{,}5V$
$U_{g3} = 0V$
$R_{g2} = 22k\Omega$
S_c (µA/V)
R_{eq} (kΩ)
S_{eff} (mA/V)
R_i (MΩ)
I_a, I_{g2}, I_{g4} (mA)
I_{g1} (µA)
U_{osc} (V)


DK 92
U_a=63,5V
U_{g2}=30V
U_{osc}=4V
U_{g4}=70V
60V
50V
40V
30V
I_a (µA)
1000
100
10
1
0
-2
-4
-6 U_{g3}(V)


DK 92
U_a=63,5V
U_{g2}=30V
U_{osc}=4V
U_{g4}=70V
60V
50V
40V
30V
S_c (µA/V)
300
100
10
1
0
-2
-4
-6 U_{g3}(V)


DK 92
U_a=40V
U_{g2}=28V
U_{osc}=2,5V
U_{g4}=45V
40V
35V
30V
25V
S_c (µA/V)
300
100
10
1
0
-1
-2
-3 U_{g3}(V)

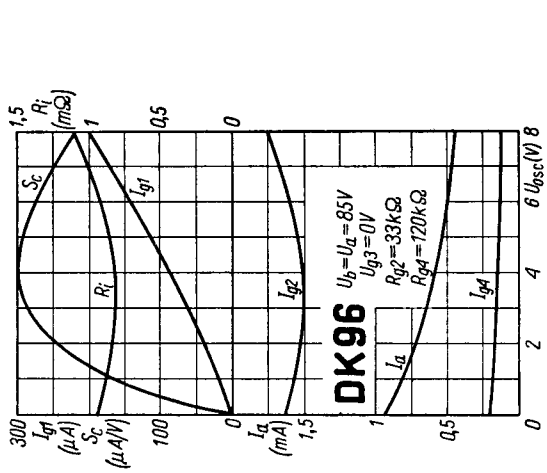

DK 92
U_a=40V
U_{g2}=28V
U_{osc}=2,5V
U_{g4}=45V
40V
35V
30V
25V
I_a (µA)
400
100
10
1
0
-1
-2
-3 U_{g3}(V)

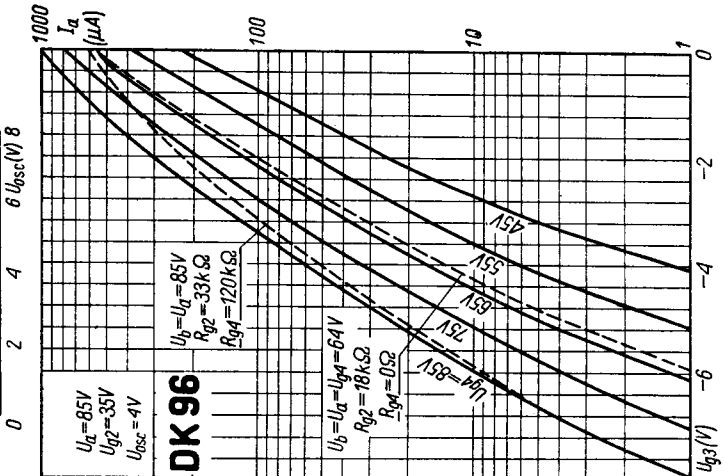
DK 92
U_a=85V
U_{g2}=30V
U_{osc}=4V
U_{g4}=90V
75V
60V
45V
30V
I_a (µA)
1000
100
10
1
0
-2
-4
-6 U_{g3}(V)

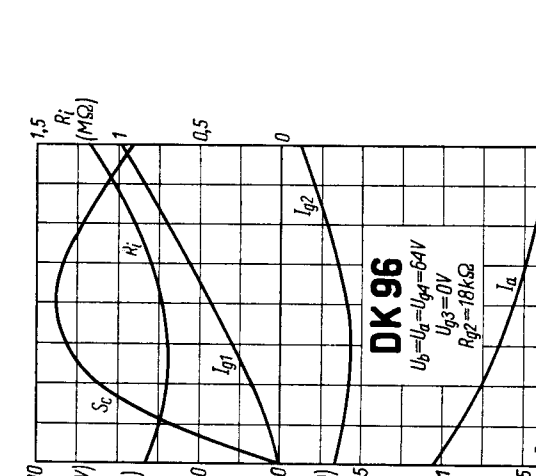
DK 92
U_b=U_a=85V
U_{osc}=4V
R_{g2}=33kΩ
R_{g4}=180kΩ
I_a, I_{g4} (µA)
S_c (µA/V)
I_{g2} (µA)
R_i (MΩ)
I_a
S_c
I_{g2}
I_{g4}
R_i
700
100
10
70
7000
1000
100
10
1
0,1
0
-2
-4
-6 U_{g3}(V)

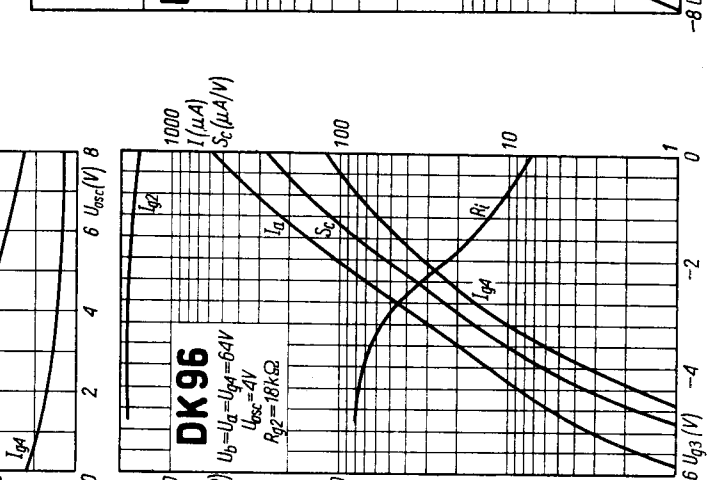
DK 92
U_b=U_{g4}=63,5V
U_{osc}=4V
R_{g2}=22kΩ
I_a, I_{g4} (µA)
S_c (µA/V)
I_{g2} (µA)
R_i (MΩ)
I_a
S_c
I_{g2}
I_{g4}
R_i
700
100
10
70
7000
1000
100
10
1
0,1
0
-2
-4
U_{g3}(V)

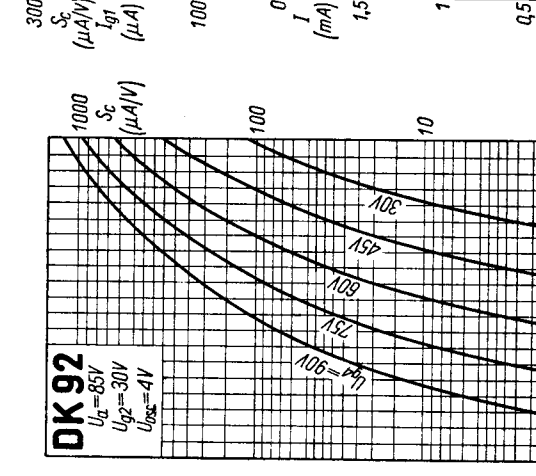
DK92
DK96
X18
19
47
7

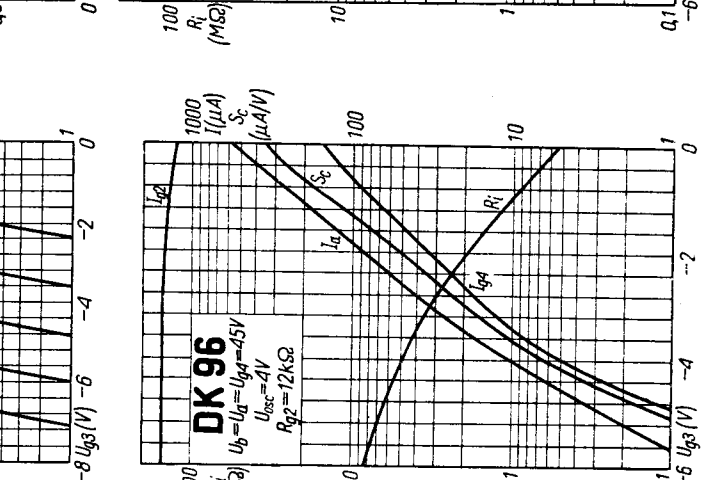

DK96
$U_b=U_a=85V$
$U_{g3}=0V$
$R_{g2}=33k\Omega$
$R_{g4}=120k\Omega$
S_c
R_i
I_{g1}
I_{g2}
I_a
I_{g4}
R_i (mΩ)
I_{g1} (μA)
S_c (μA/V)
I_a (mA)
U_{osc} (V)

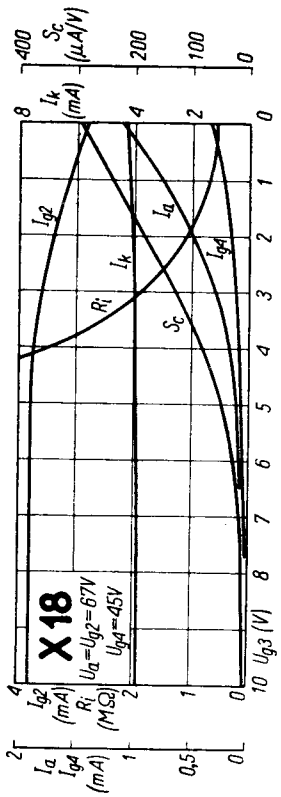

DK 96
$U_a=85V$
$U_{g2}=35V$
$U_{osc}=4V$
$U_b=U_a=85V$
$R_{g2}=33k\Omega$
$R_{g4}=120k\Omega$
$U_b=U_a=U_{g4}=64V$
$R_{g2}=18k\Omega$
$R_{g4}=0\Omega$
$U_{g4}=85V$
75V
65V
55V
45V
I_a (μA)
U_{g3} (V)

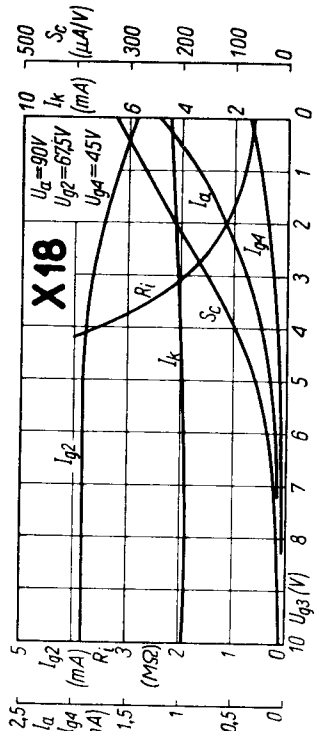

DK 96
$U_b=U_a=U_{g4}=64V$
$U_{g3}=0V$
$R_{g2}=18k\Omega$
S_c
R_i
I_{g1}
I_{g2}
I_a
I_{g4}
R_i (MΩ)
S_c (μA/V)
I_{g1} (μA)
I (mA)
U_{osc} (V)

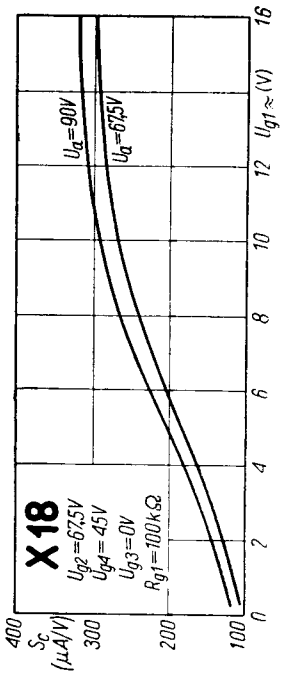

DK96
$U_b=U_a=U_{g4}=64V$
$U_{osc}=4V$
$R_{g2}=18k\Omega$
I_{g2}
I_a
S_c
R_i
I_{g4}
R_i (MΩ)
I (μA)
S_c (μA/V)
U_{g3} (V)

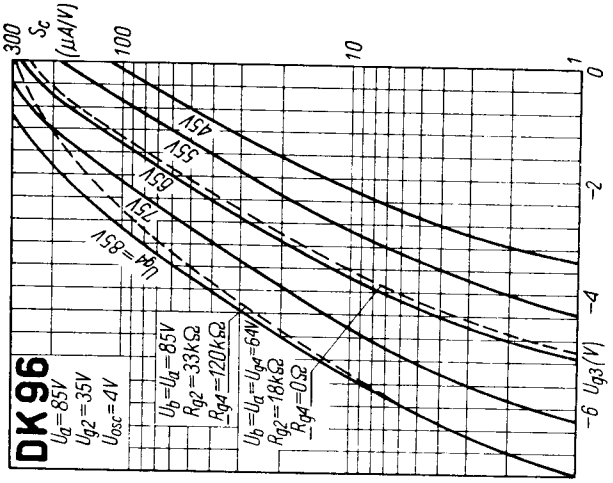

DK 92
$U_a=85V$
$U_{g2}=30V$
$U_{osc}=4V$
$U_{g4}=90V$
75V
60V
45V
30V
S_c (μA/V)
U_{g3} (V)

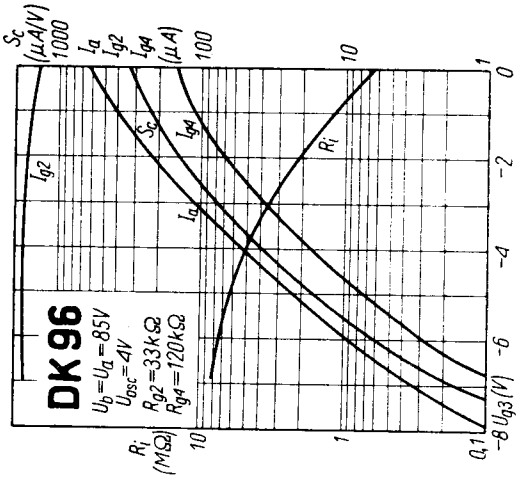

DK 96
$U_b=U_a=U_{g4}=45V$
$U_{osc}=4V$
$R_{g2}=12k\Omega$
I_{g2}
S_c
I_a
R_i
I_{g4}
R_i (MΩ)
I (μA)
S_c (μA/V)
U_{g3} (V)


X18
Ua=Ug2=67V
Ug4=45V
Ia
Ig4
(mA)
Ig2
(mA)
Ri
(MΩ)
Ik
(mA)
Sc
(μA/V)
Ug3 (V)


X18
Ua=90V
Ug2=67,5V
Ug4=45V
Ia
Ig4
(mA)
Ig2
(mA)
Ri
(MΩ)
Ik
(mA)
Sc
(μA/V)
Ug3 (V)


X18
Ug2=67,5V
Ug4=45V
Ug3=0V
Rg1=100kΩ
Ua=90V
Ua=67,5V
Sc
(μA/V)
Ug1≈ (V)


DK96
Ua=85V
Ug2=35V
Uosc=4V
Ub=Ua=85V
Rg2=33kΩ
Rg4=120kΩ
Ub=Ua=Ug4=64V
Rg2=18kΩ
Rg4=0Ω
Ug4=85V
75V
65V
55V
45V
Sc
(μA/V)
Ug3 (V)


DK96
Ub=Ua=85V
Uosc=4V
Rg2=33kΩ
Rg4=120kΩ
Ia
Ig2
Ig4
(μA)
Sc
(μA/V)
Ri
(MΩ)
Ug3 (V)