T.			U_f	I_f	Cl.	U_a	U_b	U_g	U_{osc}	I_a	S	R_i	μ	R_a	R_o	$U_{g\approx}$	P_o	h
			V	A		V	V	V	V	mA	mA/V	kΩ	V/V	kΩ	kΩ	V	W	%
					stat.	90		− 1,3		15	12,5	2,6	33					
					A 1	220		− 6,8		6,5 ÷ 9,2					20	4,5	0,5	7
					B	200		− 6		(5 ÷ 9) × 2					22	4	1,2	3
					B	200		− 6		(5 ÷ 13,5) × 2					10	4	1,5	4
ECC 88	eur	1	6,3	0,365	Casc.		100	+ 9		15	12,5	(R_k = 680 Ω)						
PCC 88	eur	1	7	0,3	Mixer	60	60		2	4,7	2,9	8,3		0				
E 88 CC[1])	eur	1	6,3	0,3	Mixer		90		2,5	7,7	3,5	7		1				
					Mixer		150		3	11	4,1	6,1		3,9				
						220		−100		maximum (P_a=1,5 W; I_k=20 mA; $I_{k\,(impulse)} \leqslant 200\,\mu sec$)=100mA; $U_{g\,(impulse)}$=−200 V; $U_{f+/k-}$ = 60 V; $U_{f-/k+}$ = 120 V)								
ECC 89	Mul	2	6,3	0,365	stat.	90		− 1,2		15	12	2,8	34					
PCC 89	Mul	2	7,2	0,3		130		− 50		maximum (P_a = 1,8 W; I_k = 22 mA; $U_{f-/k+}$ = 180 V)								

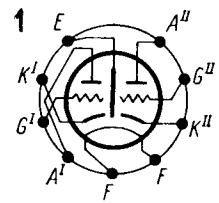
T.		$C_{g/k+f+e}$	$C_{a/k+f+e}$	$C_{g/a}$	$C_{a/k+f}$	$C_{g/k+f}$	$C_{k/f}$	$C_{a/k}$	$C_{a/e}$	$C_{a/g+f+e}$	$C_{k/g+f+e}$	$C^{I\,II}_{a/a}$
		pF	pF	pF	pF	pF	pF	pF	pF	pF	pF	pF
ECC 88	I triod.	3,3	1,8	1,4	0,5	3,3	2,6	0,18	1,3	3	6	
	II triod.	3,3	1,7	1,4	0,4	3,3	2,7	0,18	1,3	2,8	6	0,045
ECC 89	I triod.	3,8	2,5	1,9		0,3						
Fig. 1	II triod.			4,1		2,9	0,2			4,5	6,3	

[1]) vide * 4, a, b, c = 10000, d, e, f, g. (U_f = 6,3 V ± 5 %; I_f = 300 ± 15 mA)

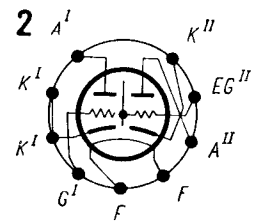
ECC 88	$C^{I\,II}_{g/g}$, $C^{I\,II}_{a/g}$, $C^{II\,I}_{a/g}$, $C^{I\,II}_{g/k}$, $C^{II\,I}_{g/k}$	0,005 pF

Equivalents

CCa[1])	Sim	=	E 88 CC
ECC 189	SFR	=	ECC 89
PCC 189	SFR	=	PCC 89
6922[1])	amer	=	E 88 CC

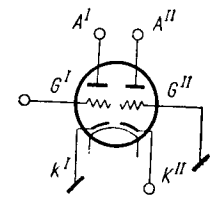


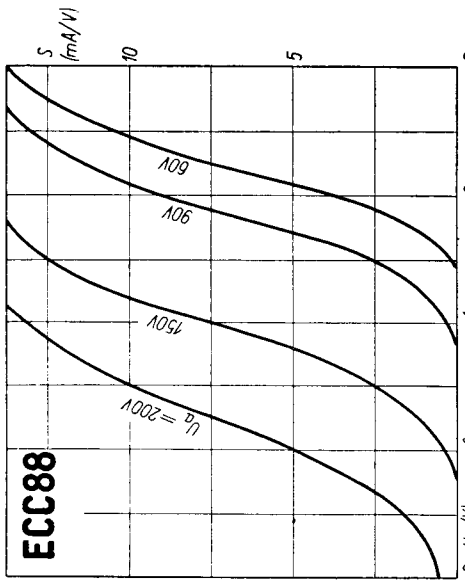
ECC88

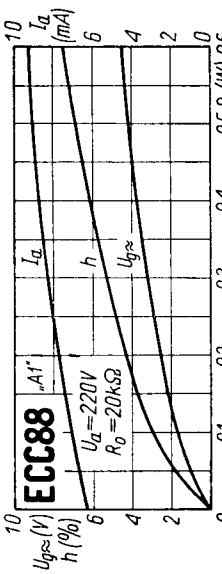


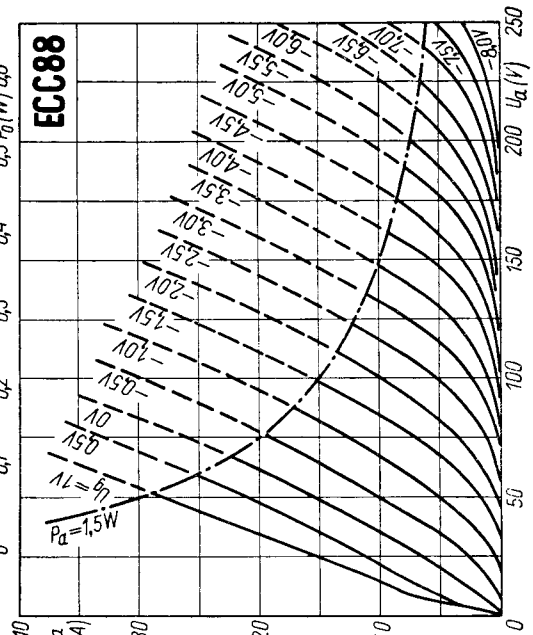
ECC89

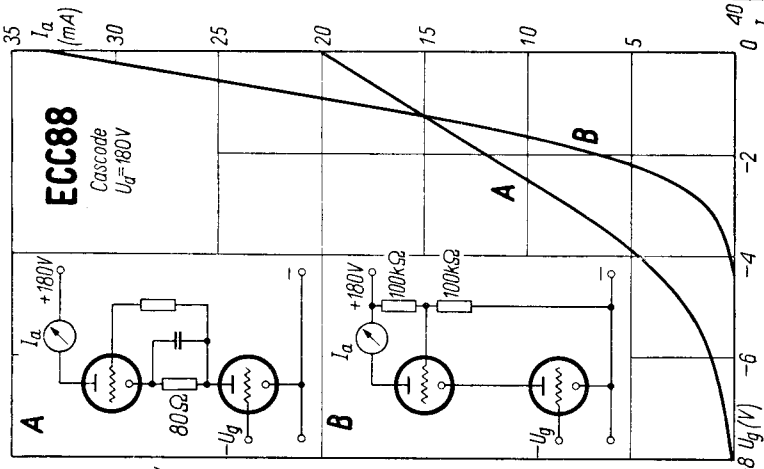
Fig. 1

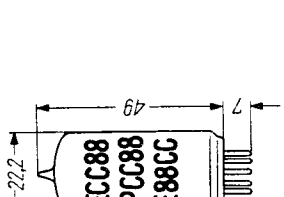


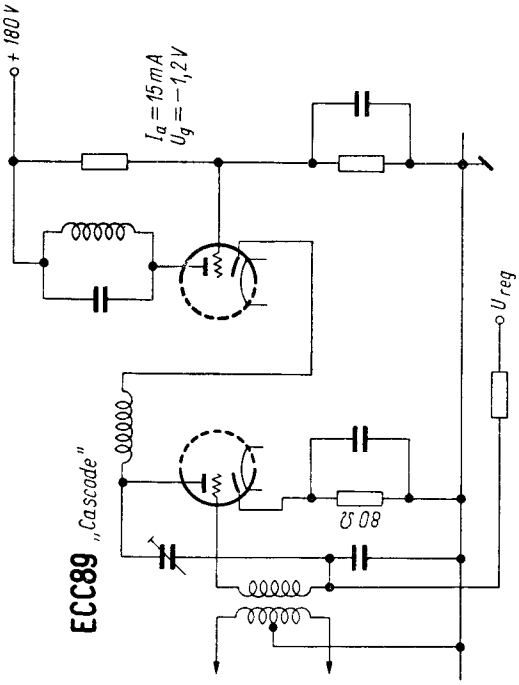

ECC88
S (mA/V)
U_a = 200V
150V
90V
60V
U_g (V)

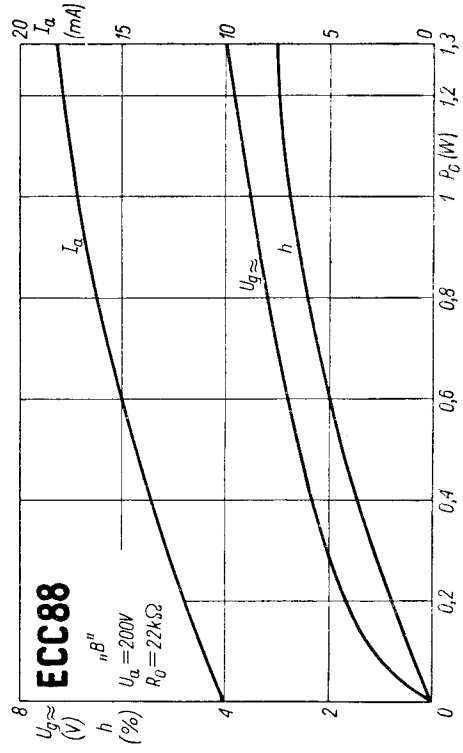

ECC88
„A1"
U_a=220V
R_0=20kΩ
I_a
h
$U_{g\approx}$
$U_{g\approx}$ (V)
h (%)
I_a (mA)
P_a (W)

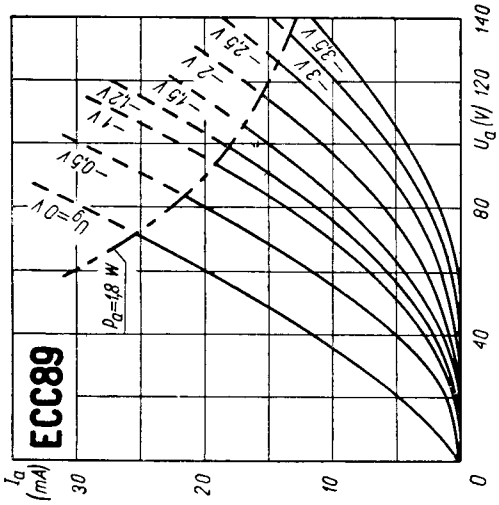

ECC88
P_a=1,5W
U_g = 1V
0,5V
0V
-0,5V
-1V
-1,5V
-2V
-2,5V
-3V
-3,5V
-4V
-4,5V
-5V
-5,5V
-6V
-6,5V
-7V
-7,5V
-8V
I_a (mA)
U_a (V)

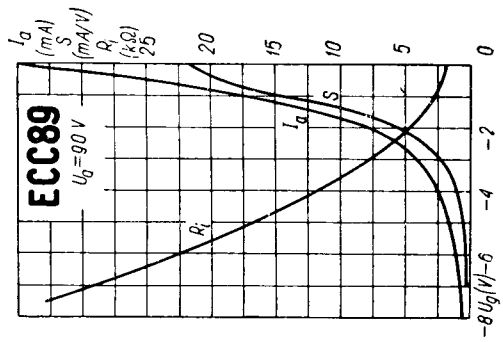

ECC88
Cascode
U_a=180V
A
B
+180V
I_a
80Ω
$-U_g$
100kΩ
100kΩ
I_a (mA)
U_g (V)

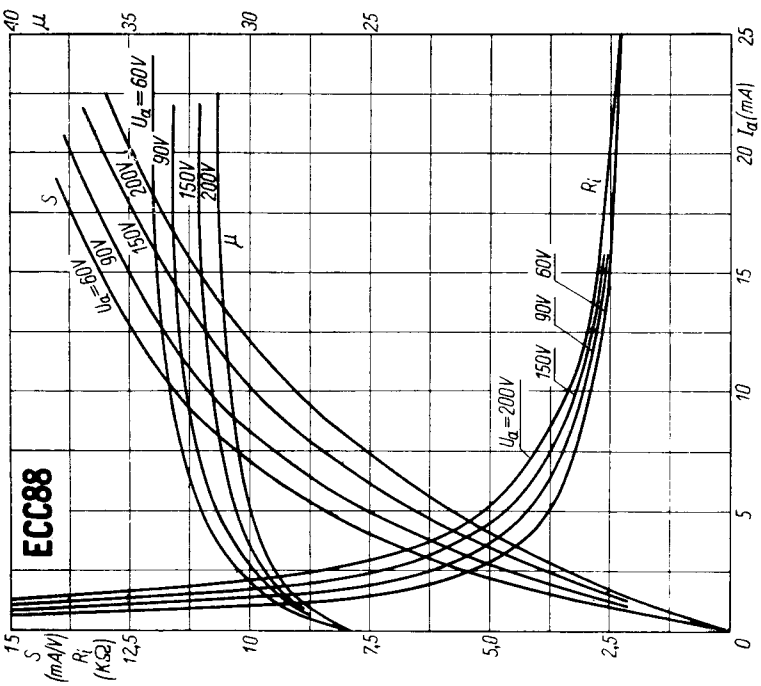

ECC88
PCC88
E88CC
22,2
49
7

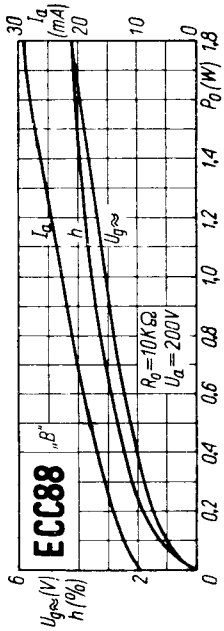

ECC89 „Cascode"
+180V
I_a = 15mA
U_g = -1,2V
80Ω
U reg

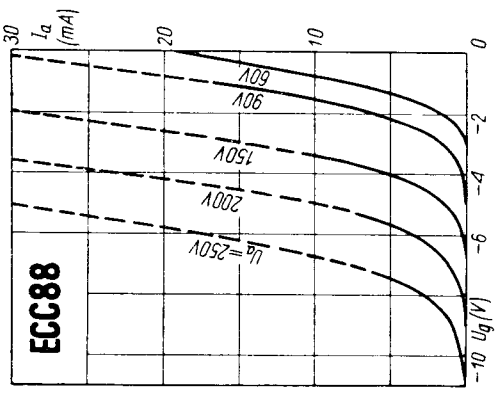

ECC88
„B"
U_a=200V
R_0=22kΩ
I_a
h
$U_{g\approx}$
$U_{g\approx}$ (V)
h (%)
I_a (mA)
P_a (W)

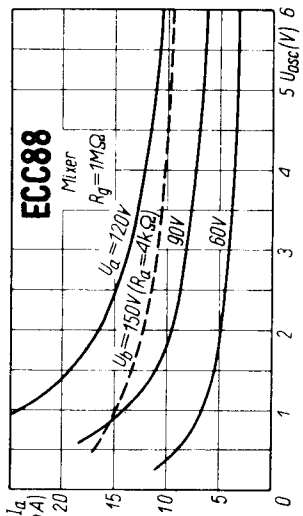

ECC89
I_a (mA)
U_a (V)
P_a=1,8 W
U_g=0V
-0,5V
-1V
-1,5V
-2V
-2,5V
-3V
-3,5V

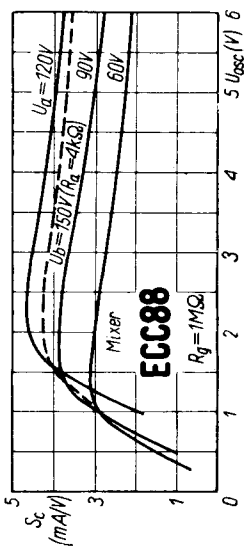

ECC89
U_a=90 V
I_a (mA)
S (mA/V)
R_i (kΩ)
U_g(V)
I_a
S
R_i


ECC88
S (mA/V)
R_i (kΩ)
μ
I_a (mA)
U_a=60V
90V
150V
200V
U_a=200V
60V
90V
150V
R_i


ECC88
„B"
I_a (mA)
$U_{g\sim}$(V)
h (%)
P_a (W)
I_a
h
$U_{g\sim}$
R_g=10KΩ
U_a=200V


ECC88
I_a (mA)
U_g(V)
U_a=250V
200V
150V
90V
60V


ECC88
Mixer
R_g=1MΩ
I_a (mA)
U_{osc}(V)
U_a=120V
U_b=150V (R_g=4kΩ)
90V
60V


ECC88
Mixer
R_g=1MΩ
Sc (mA/V)
U_{osc}(V)
U_a=120V
U_b=150V (R_g=4kΩ)
90V
60V