UL 84

NF-Leistungs-pentode

Eintakt-A-, Gegentakt-A-, B-, AB-Schaltungen

AF power pentode

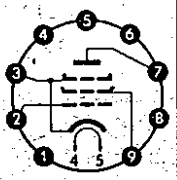
class A amplifiers push-pull, class A, B, AB

Pico 9
Noval

Größe 12
Outlines 12

Stift · Pin

1	—
2	g_1
3	k, g_3
4	f
5	f
6	—
7	a
8	—
9	g_2



I_f = 100 mA
U_f ca. 45 V

indirekt geheizt
indir. heated

U_a = 170 V
U_{g2} = 170 V
U_{g1} = −12,5 V
I_a = 70 mA
I_{g2} = 5 mA
S = 10 mA/V
R_i = 23 kΩ
μ_{g2g1} = 8

Eintakt-A-Betrieb
Class A amplifier

U_a	=	100	170	V
U_{g2}	=	100	170	V
U_{g1}	=	−6,7	−12,5	V
I_a	=	43	70	mA
I_{g2}	=	3	5	mA
R_a	=	2,4	2,4	kΩ
$U_{g1\,eff}$ (N)	=	4,3	7	V
N (10 %)	=	1,9	5,6	W
$U_{g1\,eff}$ (50 mW)	=	0,55	0,5	V

2 Röhren, Gegentakt-AB-Betrieb
2 tubes push-pull, class AB

U_a	=	100	170	V
U_{g2}	=	100	170	V
R_k	=	135	120	Ω
I_{a0}	=	2x29	2x56,5	mA
$I_{a\,ausgest.}$	=	2x31	2x57,5	mA
I_{g20}	=	2x1,6	2x3	mA
$I_{g2\,ausgest.}$	=	2x7	2x20,5	mA
R_{aa}	=	3,5	3,5	kΩ
$U_{g1\,eff}$ (N)	=	7	13,1	V
N	=	3,6	13	W
k	=	3	4,5	%
$U_{g1\,eff}$ (50 mW)	=	0,54	0,45	V

U_a	=	250 V
N_a	=	12 W
U_{g2}	=	200 V
N_{g2}	=	1,75 W
$N_{g2\,ausgest.}$	=	6 W
I_k	=	100 mA
R_{g1} [1]	=	1 MΩ
$U_{f/k}$	=	200 V
$R_{f/k}$	=	20 kΩ

[1] U_{g1} mittels R_k
U_{g1} by R_k

Kapazitäten
Capacitances

c_e	ca.	12	pF
c_a	ca.	6	pF
c_{g1a}	<	0,6	pF