Podwójna dioda – pentoda regulacyjna

EBF 2

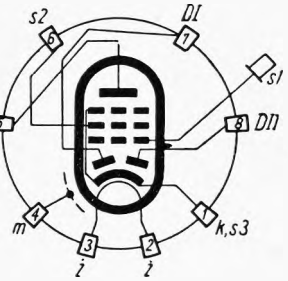
Philips

Demodulator + ARW + wzmacniacz w. cz., wzm. p. cz., wzm. m. cz.

Bocznostykowy

$U_ż = 6{,}3\ V$

$I_ż = 200\ mA$



Wartości robocze

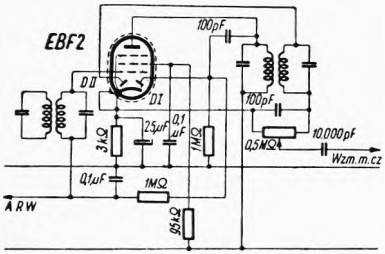
Pentoda

U_a	100		200		250		V
U_{s2}	100	100	100	100	100	250	V
U_{s1}	−2	−16,5	−2	−32,5	−2	−38	V
I_a	5	–	5	–	5	–	mA
I_{s2}	1,6	–	1,6	–	1,6	–	mA
S_a	1800	18	1800	18	1800	18	μA/V
ϱ_a	0,4	>10	1,0	>10	1,3	>10	MΩ
R_k	300		300		300		Ω
R_{s2}	–		60		95		kΩ

Wartości graniczne

Pentoda			Dioda Dla każdego systemu		
$U_{a0}max$	550	V	$-U_{DIszczmax}$	350	V
U_amax	300	V	I_{DImax}	0,8	mA
$U_{s20}max$	550	V	$I_{DIszcz\ max}$	5	mA
$U_{s2}max$	125	V	U_{wlkmax}	100	V
$U_{s1}max$[1])	−1,3	V	R_{wlkmax}	20	kΩ
P_amax	1,5	W			
$P_{s2}max$	0,3	W			
I_kmax	10	mA			
$R_{s1}max$	3	MΩ			
U_{wlkmax}	100	V			
R_{wlkmax}	20	kΩ			

[1]) $I_{s1} = +0{,}3\ \mu A$

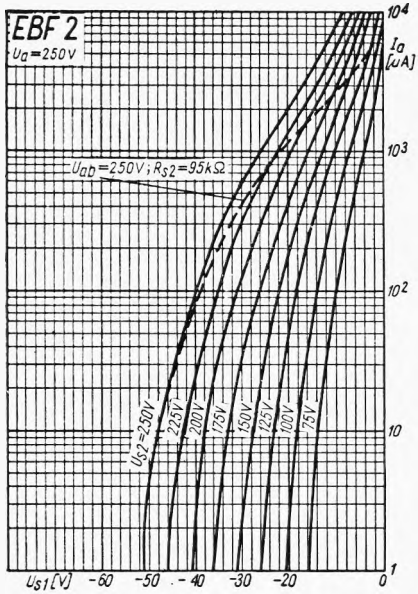


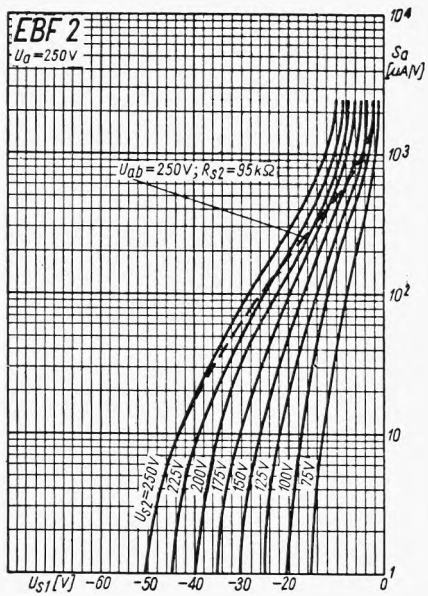
Pojemności

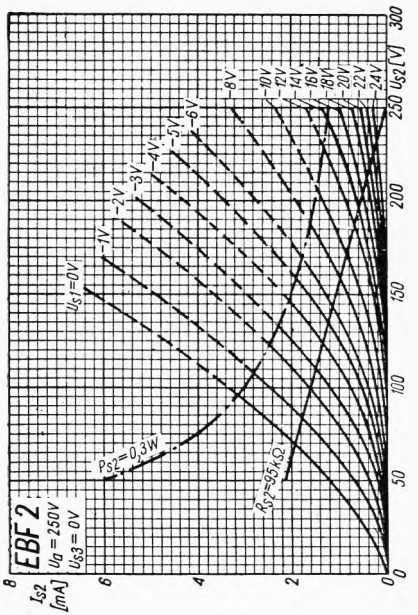
C_{wej}	4,4	pF	C_{DI}	3	pF
C_{wyj}	8,6	pF	C_{DII}	3	pF
$C_{s1/a}$	<0,002	pF	$C_{DI/DII}$	<0,3	pF
$C_{s1/w}$	3	pF			

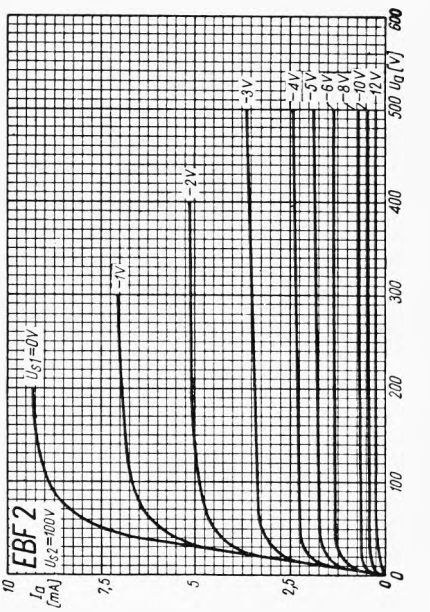
$C_{DI/sI}$	<0,0005	pF
$C_{DII/sI}$	<0,0005	pF
$C_{DI/a}$	< 0,3	pF
$C_{DII/a}$	< 0,25	pF

TYPY PODOBNE


EBF 2
Ua=250V
Ia [μA]
Uab=250V; Rs2=95kΩ
Us2=250V
225V
200V
175V
150V
125V
100V
75V
Us1 [V]
-60
-50
-40
-30
-20
0
1
10
10²
10³
10⁴


EBF 2
Ua=250V
Sa [μA/V]
Uab=250V; Rs2=95kΩ
Us2=250V
225V
200V
175V
150V
125V
100V
75V
Us1 [V]
-60
-50
-40
-30
-20
0
1
10
10²
10³
10⁴


EBF 2
Ua = 250V
Us3 = 0V
Is2 [mA]
Us2 [V]
Us1=0V
-1V
-2V
-3V
-4V
-5V
-6V
-8V
-10V
-12V
-14V
-16V
-18V
-20V
-22V
-24V
Ps2=0,3W
Rs2=95kΩ
0
2
4
6
8
0
50
100
150
200
250
300


EBF 2
Us2=100V
Ia [mA]
Ua [V]
Us1=0V
-1V
-2V
-3V
-4V
-5V
-6V
-8V
-10V
-12V
0
2,5
5
7,5
10
0
100
200
300
400
500
600