B 2048

PHILIPS „MINIWATT"

Heizspannung Tension de chauffage Filament voltage	V_f	=	ca. env. 20 V appr.
Heizstrom Courant de chauffage Filament current	I_f	=	0,180 A
Elektrodenspannungen Tensions d'électrodes Electrode voltages	V_a	=	200 V
	V_{g4}	=	-3 V
	V_{g3}	=	200 V
	V_{g2}	=	100 V
	V_{g1}	=	-1,5 V
Elektrodenströmen Courants d'électrodes Electrode currents	I_a	=	3 mA
	I_{g3}	=	7 mA
Max. Länge Longueur max. Overall length	l	=	130 mm
Grösster Durchmesser Diamètre max. Max. diameter	d	=	50 mm
Sockel Culot Base		=	C 35
Sockelschaltung Connexion du culot Base connection		=	S XVII

Anwendung: Oszillator-Modulator
Application: Oscillateur-modulateur
Function: Oscillator-modulator

19/8/1933

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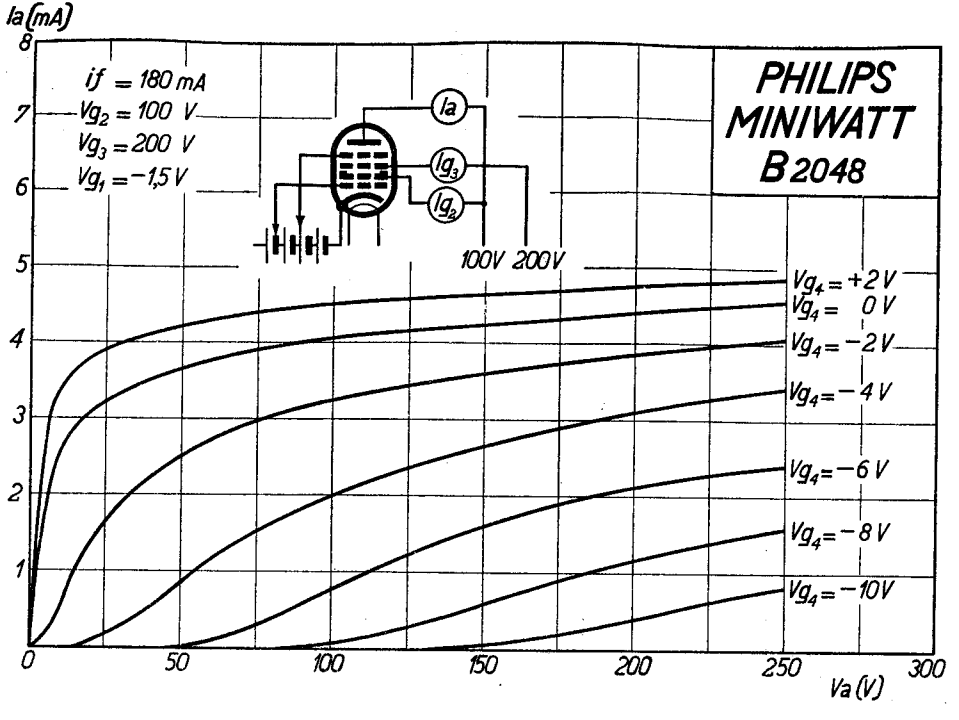
	V_{ao}	= 250 V
	V_{aR}	= 250 V
	V_{aL}	= 200 V
Max. Elektroden Spannungen	V_{g3o}	= 250 V
Tensions d'électrodes max.	V_{g3R}	= 200 V
Max. electrode voltages	V_{g3L}	= 200 V
	V_{g2o}	= 175 V
	V_{g2}	= 120 V
Max. Elektroden Belastungen	W_a	= > 1 W
Dissipations d'électrodes max.	W_{g3}	= > 2 W
Max. electroden dissipations	W_{g2}	= 0,4 W
Max. Kathodenstrom		
Courant cathodique max.	I_c	= 15 mA
Max. cathode current		
Mittlerer Schirmgitterstrom		ca.
Courant de grille-écran moyen	I_{g2}	= env. 1,8 m
Average screen-grid current		appr.
Gitterstrom-Einsatzpunkt	V_{g4i}	= -1,3 V
Point de commenc. du courant de grille	V_{g1i}	= -1,3 V
Starting point of grid current		
Max. Spann. zwischen Faden und Kath.		
Tension max. entre filament et cathode	V_{fc}	= 100 V
Max. voltage between filam. and cathode		
		ca.
	C_{g1g3}	= env. 0,015
		appr.
Kapazitäten	C_a	= 12,5 $\mu\mu$F
Capacités	C_{g1}	= 7 $\mu\mu$F
Capacities	$C_{g3}+_{g4}$	= 11,5 $\mu\mu$F

28/10'33


Ia (mA)
8
7
6
5
4
3
2
1
0
50
100
150
200
250
300
Va (V)
if = 180 mA
Vg2 = 100 V
Vg3 = 200 V
Vg1 = −1,5 V
Ia
Ig3
Ig2
100V 200V
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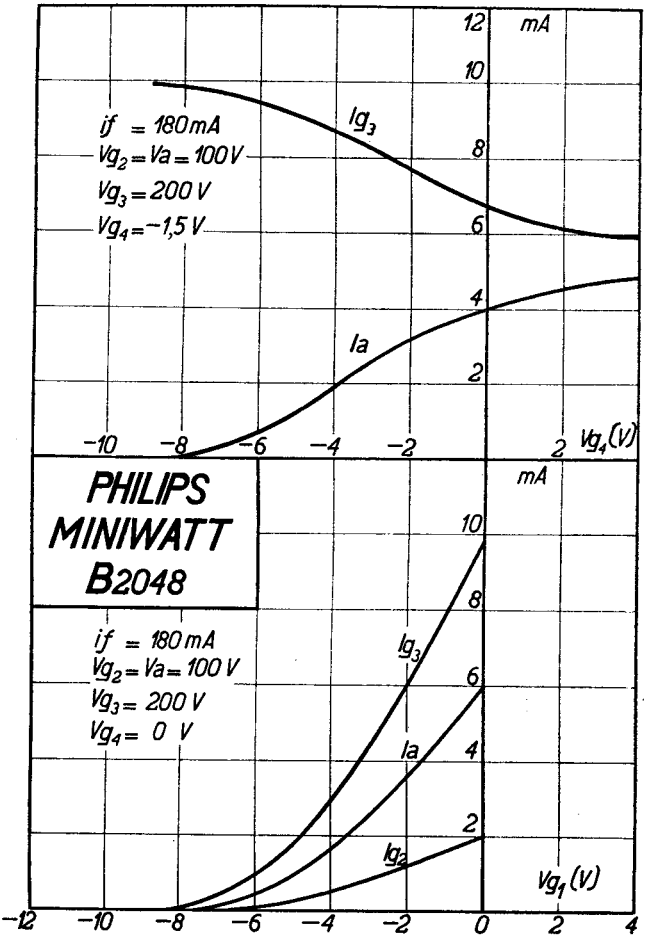
Vg4 = +2 V
Vg4 = 0 V
Vg4 = −2 V
Vg4 = −4 V
Vg4 = −6 V
Vg4 = −8 V
Vg4 = −10V


12
mA
10
8
6
4
2
if = 180 mA
Vg2 = Va = 100 V
Vg3 = 200 V
Vg4 = −1,5 V
Ig3
Ia
−10
−8
−6
−4
−2
2
Vg4 (V)
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mA
10
8
6
4
2
if = 180 mA
Vg2 = Va = 100 V
Vg3 = 200 V
Vg4 = 0 V
Ig3
Ia
Ig2
Vg1 (V)
−12
−10
−8
−6
−4
−2
0
2
4