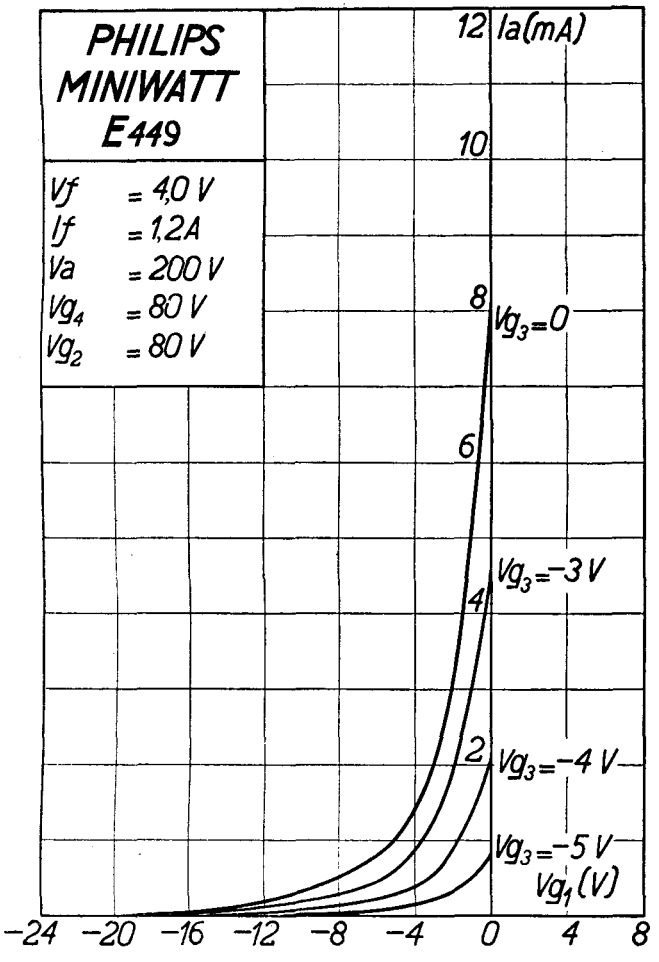
PHILIPS „MINIWATT"

Heizspannung Tension de chauffage Filament voltage	V_f	=	4 V
Heizstrom Courant de chauffage Filament current	I_f	=	ca. env. 1,2 A appr.
Elektrodenspannungen Tensions d'électrodes Electrode voltages	V_a V_{g2} V_{g4}	= = =	200 V 80 V 80 V
Steilheit Inclinaison Mutual conductance (Vg3 = -2 V; Vg1 = -2 V; Ia = 3 mA)	$S_{ag1\,max}$	=	3 mA/V
Steilheit Inclinaison Mutual conductance (Vg3 = -2 V; Vg1 = -2 V; Ia = 3 mA)	$S_{ag1\,norm}$	=	2 mA/V
Steilheit Inclinaison Mutual conductance (Vg3 = -7 V; Vg1 = -15 V; Ia = < 0,001 mA)	$S_{ag1\,norm}$	=	0,001 mA/V
Innerer Widerstand Résistance intérieure Internal resistance (Vg3 = -2 V; Vg1 = -2 V; Ia = 3 mA)	R_i	=	0,5 M.Ohm
Innerer Widerstand Résistance intérieure Internal resistance (Vg3 = -7 V; Vg1 = -15 V; Ia = < 0,001 mA)	R_i	>	50 M.Ohm
Max. Länge Longueur max. Overall length	l	=	130 mm
Grösster Durchmesser Diamètre max. Max. diameter	d	=	52 mm
Sockel Culot Base		=	C 35
Sockelschaltung Connexion du culot Base connection		=	S XVII

Anwendung: H.F.-Verstärkung
Applications: Amplification h.f.
Function: H.F. amplification

Z.F.-Verstärkung
Amplification m.f.
I.F. amplification

21/8/1933


PHILIPS
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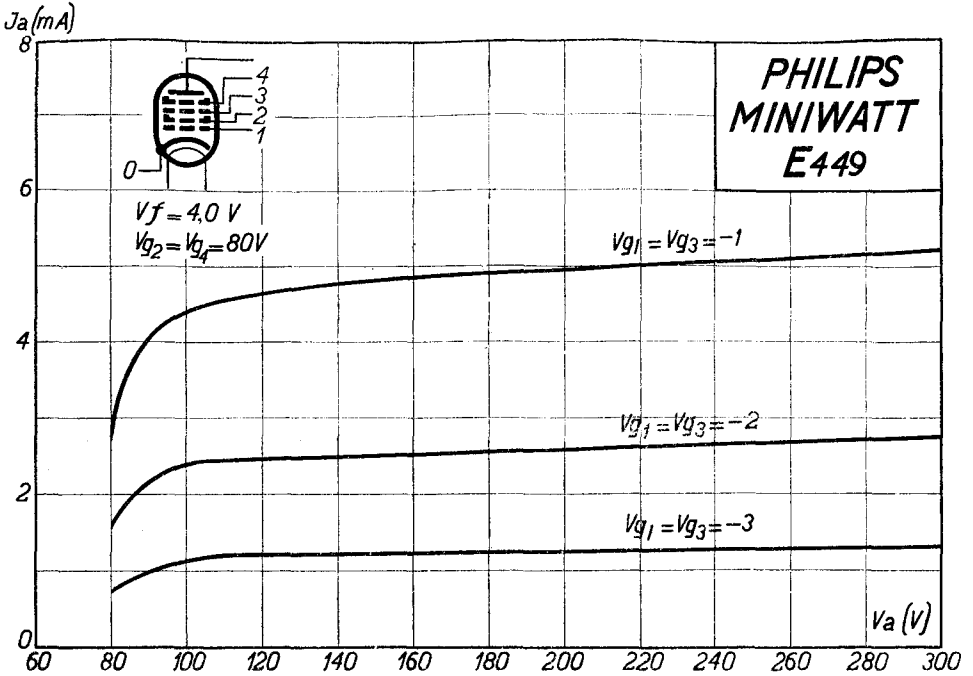
Vf = 4,0 V
If = 1,2 A
Va = 200 V
Vg4 = 80 V
Vg2 = 80 V
12
Ia(mA)
10
8
Vg3=0
6
Vg3=-3 V
4
2
Vg3=-4 V
Vg3=-5 V
Vg1(V)
-24
-20
-16
-12
-8
-4
0
4
8

PHILIPS „MINIWATT"

Max. Elektroden Spannungen Tensions d'électrodes max. Max. electrode voltages	V_{ao}	= 400 V
	V_{aR}	= 250 V
	V_{aL}	= 200 V
	V_{g4o}	= 200 V
	V_{g4}	= 150 V
	V_{g2o}	= 200 V
	V_{g2}	= 150 V
Max. Elektroden Belastungen Dissipations d'électrodes max. Max. electrode dissipations	W_a	= 1 W
	W_{g4}	= 0,25 W
	W_{g2}	= 0,5 W
Max. Kathodenstrom Courant cathodique max. Max. cathode current	I_c	= 10 mA
Gitterstrom Einsatz Commencement du courant de grille Starting of grid current	V_{g1i}	= -1,3 V
	V_{g3i}	= -1,3 V
Max. Widerstand im Gitterkreis Résistance max. dans le circuit de grille Max. resistance in grid circuit	R_{g1a}	= 3 M.Ohm
	R_{g3a}	= 3 M.Ohm
Max. Spann. zwischen Faden und Kath. Tension max. entre filament et cathode Max. voltage betw. filament and cathode	V_{fc}	= 50 V
Kapazitäten Capacités Capacities	C_{g1a}	< 0,001 $\mu\mu$F
	C_g	= 6,5 $\mu\mu$F
	C_a	= 11,5 $\mu\mu$F


PHILIPS
MINIWATT
E449
Ja (mA)
8
6
4
2
0
4
3
2
1
0
Vf = 4,0 V
Vg2 = Vg4 = 80V
Vg1 = Vg3 = −1
Vg1 = Vg3 = −2
Vg1 = Vg3 = −3
Va (V)
60
80
100
120
140
160
180
200
220
240
260
280
300