

PHILIPS „MINIWATT“

Heizspannung	V_f	= 4 V
Tension de chauffage		ca.
Filament voltage		env. 1,2 A
Heizstrom	I_f	appr.
Courant de chauffage		
Filament current		
Elektroden Spannungen	V_a	= 200 V
Tensions d'électrodes	V_{g^2}	= 80 V
Electrode voltages	V_{g^4}	= 80 V
Steilheit		
Inclinaison	S_{ag1max}	= 3 mA/V
Mutual conductance		
($V_{g3} = -2$ V; $V_{g1} = -2$ V; $I_a = 3$ mA)		
Steilheit		
Inclinaison	$S_{ag1norm}$	= 2 mA/V
Mutual conductance		
($V_{g3} = -2$ V; $V_{g1} = -2$ V; $I_a = 3$ mA)		
Steilheit		
Inclinaison	$S_{ag1ncrm}$	= 0,001 mA/V
Mutual conductance		
($V_{g3} = -7$ V; $V_{g1} = -15$ V; $I_a =$ $< 0,001$ mA)		
Innerer Widerstand	R_i	= 0,5 M. Ohm
Résistance intérieure		
Internal resistance		
($V_{g3} = -2$ V; $V_{g1} = -2$ V; $I_a = 3$ mA)		
Innerer Widerstand	R_i	> 50 M. Ohm
Résistance intérieure		
Internal resistance		
($V_{g3} = -7$ V; $V_{g1} = -15$ V; $I_a =$ $< 0,001$ mA)		
Max. Länge	l	= 130 mm
Longueur max.		
Overall length		
Grösster Durchmesser	d	= 52 mm
Diamètre max.		
Max. diameter		
Sockel		
Culot		= C 35
Base		
Sockelschaltung		
Connexion du culot		= S XVII
Base connection		

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

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

**PHILIPS
MINIWATT
E449**

$V_f = 40\text{ V}$
 $I_f = 1,2\text{ A}$
 $V_a = 200\text{ V}$
 $V_{g_4} = 80\text{ V}$
 $V_{g_2} = 80\text{ V}$

12 $I_a(\text{mA})$

10

8

$V_{g_3} = 0$

6

$V_{g_3} = -3\text{ V}$

4

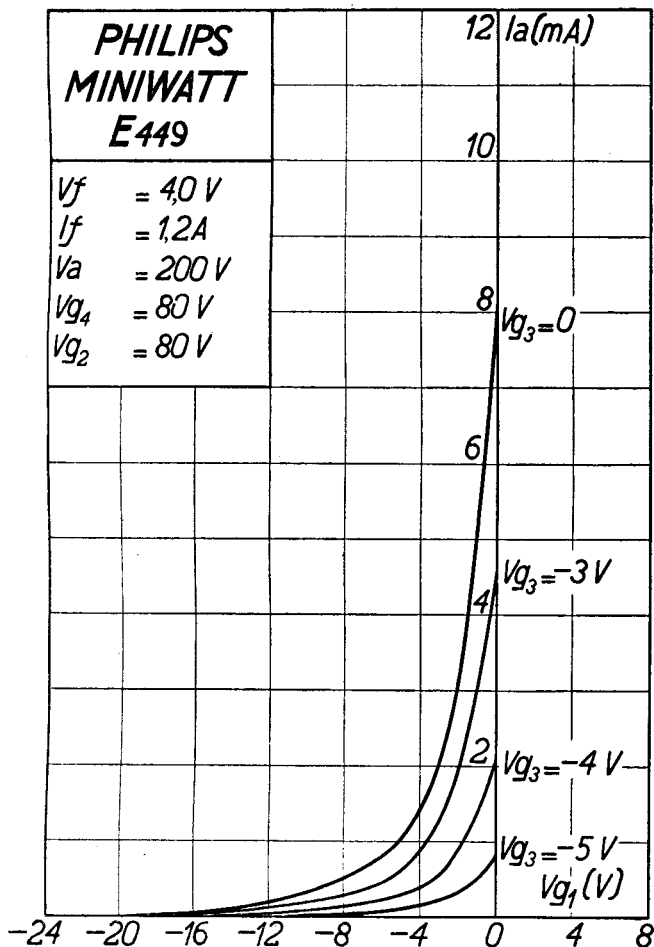
$V_{g_3} = -4\text{ V}$

2

$V_{g_3} = -5\text{ V}$

$V_{g_1}(\text{V})$

-24 -20 -16 -12 -8 -4 0 4 8



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	V_{ao}	= 400 V
	V_{aR}	= 250 V
Max. Elektroden Spannungen	V_{aL}	= 200 V
Tensions d'électrodes max.	V_{g40}	= 200 V
Max. electrode voltages	V_{g4}	= 150 V
	V_{g20}	= 200 V
	V_{g2}	= 150 V
	W_a	= 1 W
Max. Elektroden Belastungen	W_{g4}	= 0,25 W
Dissipations d'électrodes max.	W_{g2}	= 0,5 W
Max. electrode dissipations		
Max. Kathodenstrom	I_c	= 10 mA
Courant cathodique max.		
Max. cathode current		
Gitterstrom Einsatz	V_{g1i}	= -1,3 V
Commencement du courant de grille	V_{g3i}	= -1,3 V
Starting of grid current		
Max. Widerstand im Gitterkreis	R_{g1a}	= 3 M.Ω
Résistance max. dans le circuit de grille	R_{g3a}	= 3 M.Ω
Max. resistance in grid circuit		
Max. Spann. zwischen Faden und Kath.	V_{fc}	= 50 V
Tension max. entre filament et cathode		
Max. voltage betw. filament and cathode		
Kapazitäten	C_{g1a}	< 0,001 μF
Capacités	C_g	= 6,5 μF
Capacities	C_a	= 11,5 μF

$i_{a1} (mA)$

