

PHILIPS „MINIWATT“

Heizspannung	V_f	= 4,0 V
Tension de chauffage		
Filament voltage		
Heizstrom	I_f	ca.
Courant de chauffage		env. 1,0 A
Filament current		appr.
Anodenspannung	$V_{a.max}$	= 250 V
Tension anodique		
Anode voltage		
Normaler Anodenstrom	I_a	= 48 mA
Courant anodique normal		
Normal anode current		
Neg. Gittervorspannung	V_g	ca.
Polarisation négative de grille		env. 24 V
Negative grid bias		appr.
Verstärkungsfaktor	$g(k)$	= 6
Coefficient d'amplification		
Amplification factor		
Steilheit (max.)	S_{max}	= 6,0 mA/V
Inclinaison (max.)		
Slope (max.)		
Steilheit (norm.)	S_{norm}	= 4,0 mA/V
Inclinaison (norm.)		
Slope (norm.)		
Innerer Widerstand (norm.)	R_i	= 1500 Ohm
Résistance intérieure (norm.)		
Internal resistance (norm.)		
Anodenverlustleistung	$W_{a.max}$	= 12 W
Dissipation anodique		
Anode dissipation		
Max. Länge	l	= 135 mm
Longueur max.		
Overall length		
Grösster Durchmesser	d	= 60 mm
Diamètre max.		
Max. diameter		
Sockel		= A 40
Culot		
Base		
Sockelschaltung		= S. I
Connexion du culot		
Base connexion		

Anwendung: Endstufe
 Application: Tube final
 Function: Power valve

**PHILIPS
MINIWATT
E 406**

$V_f = 4,0\text{ V}$
 $V_{a\text{max}} = 250\text{ V}$
 $I_a = 48\text{ mA}$
 $S_{\text{max}} = 6,0\text{ mA/V}$
 $S_{\text{norm}} = 4,0\text{ mA/V}$
 $g(k) = 6$

240 I_a (mA)

220

160

120

80

40

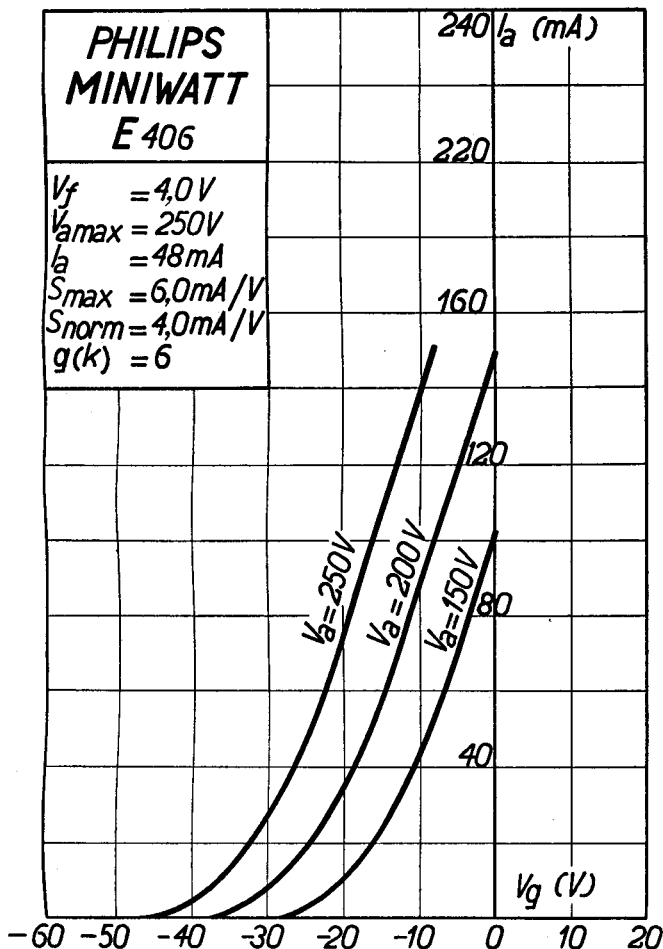
$V_a = 250\text{ V}$

$V_a = 200\text{ V}$

$V_a = 150\text{ V}$

V_g (V)

-60 -50 -40 -30 -20 -10 0 10 20



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Max. Anodenspannung	V_{ao}	= 500 V
Tension anodique max.	V_{aL}	= 250 V
Max. anode voltage		

Max. Anodenbelastung	W_a	= 12 W
Dissipation anodique max.		
Max. anode dissipation		

Max. Kathodenstrom	I_c	= 70 mA
Courant cathodique max.		
Max. cathode current		

Gitterstrom-Einsatzpunkt	V_{gi}	= -2 V
Point de commenc. du courant de grille		
Starting point of grid current		

Max. Widerstand im Gitterkreis	R_{g1}	= 0,6 M. Ohm
Résistance max. dans le circuit de grille	R_{g2}	= 0,2 M. Ohm
Max. resistance in grid circuit		

Nutzleistung	W_o	$(V_{g\text{ eff}} = 16 \text{ V})$	
Puissance utile		$(R_a = 2500 \Omega)$	= 1,75 W
Output			

Kapazitäten	C_{ag}	= 2,9 $\mu\mu\text{F}$
Capacités	C_{ak}	= 2 $\mu\mu\text{F}$
Capacities	C_{gk}	= 9,7 $\mu\mu\text{F}$

