

## PHILIPS „MINIWATT“

Heizspannung .....		
Tension de chauffage .....	$v_f$	= 4,0 V
Filament voltage .....		
Heizstrom .....		ca.
Courant de chauffage .....	$i_f$	= env. 1,0 A
Filament current .....		appr.
Anodenspannung .....		
Tension anodique .....	$v_{a\max.}$	= 200 V
Anode voltage .....		
Schirmgitterspannung .....		
Tension de grille-écran .....	$v_g'$	= 100 V
Screen-grid voltage .....		
Normaler Anodenstrom .....		
Courant anodique normal .....	$i_a$	= 1,5 mA
Normal anode current .....		
Neg. Gittervorspannung .....		ca.
Polarisation négative de grille .....	$v_g$	= env. 1,3 V
Negative grid bias .....		appr.
Verstärkungsfaktor .....		
Coefficient d'amplification .....	$g(k)$	= 700
Amplification factor .....		
Steilheit (max.) .....		
Inclinaison (max.) .....	$S_{\max.}$	= 1,2 mA/V
Slope (max.) .....		
Steilheit (norm.) .....		
Inclinaison (norm.) .....	$S_{\text{norm.}}$	= 0,9 mA/V
Slope (norm.) .....		
Innerer Widerstand (norm.) .....		
Résistance intérieure (norm.) .....	$R_i$	= 800000 Ohm
Internal resistance (norm.) .....		
Anoden-Gitterkapazität .....		
Capacité grille-plaque .....	$C_{ag}$	= 0,005 $\mu\mu\text{F}$
Anode-grid capacity .....		
Max. Länge .....		
Longueur max. .....	$l$	= 112 mm
Overall length .....		
Grösster Durchmesser .....		
Diamètre max. .....	$d$	= 47 mm
Max. diameter .....		
Sockel .....		
Culot .....		= 0 35
Base .....		
Sockelschaltung .....		
Connexion du culot .....		= S X
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  
E 442**

$V_f = 4,0V$   
 $V_{a,max} = 200V$   
 $V_g' = 100V$   
 $I_a = 1,5mA$   
 $S_{max} = 1,2mA/V$   
 $S_{norm} = 0,9mA/V$   
 $g(k) = 700$

6  $I_a$  (mA)

5

4

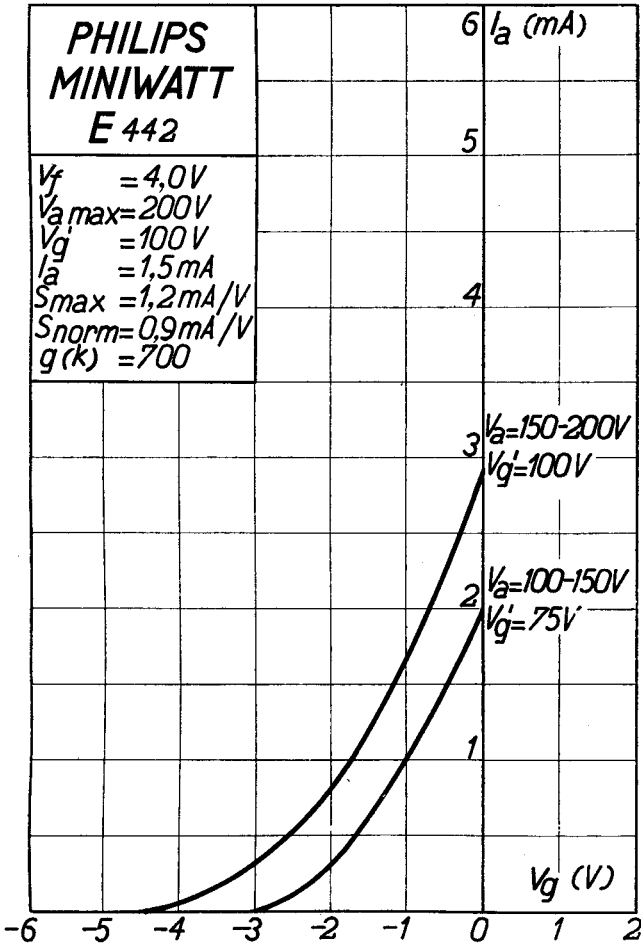
3  $V_a = 150-200V$   
 $V_g' = 100V$

2  $V_a = 100-150V$   
 $V_g' = 75V$

1

$V_g$  (V)

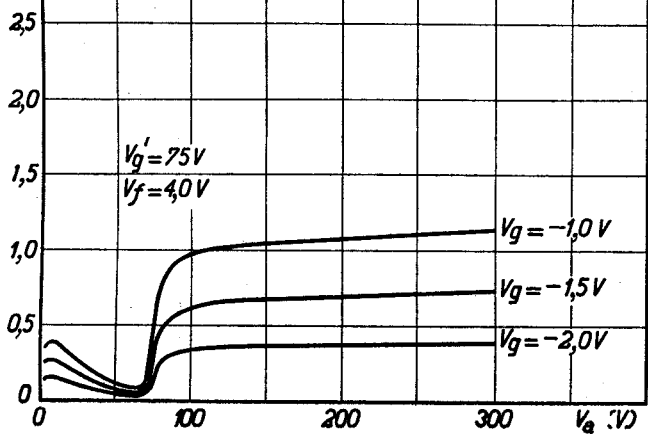
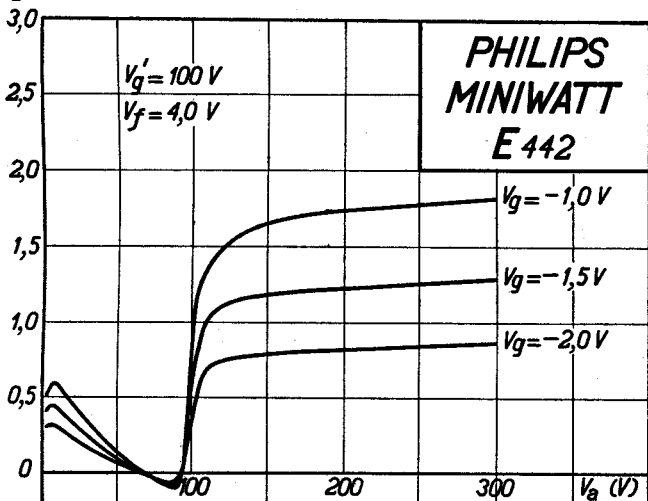
-6 -5 -4 -3 -2 -1 0 1 2



## PHILIPS „MINIWATT“

Max. Anodenspannung .....	$V_{ao}$	= 400 V
Tension anodique max. ....	$V^{aR}$	= 250 V
Max. anode voltage .....	$V^{aL}$	= 200 V
Max. Anodenbelastung .....		
Dissipation anodique max. ....	$W_a$	= 1,0 W
Max. anode dissipation .....		
Max. Kathodenstrom .....		
Courant cathodique max. ....	$I_c$	= 10 mA
Max. cathode current .....		
Max. Schirmgitterspannung .....	$V_g^I o$	= 300 V
Tension de grille-écran max. ....		$V_a - 30 V$
Max. screen-grid voltage .....	$V_g^I$	= max. 150 V
Max. Schirmgitterbelastung .....		
Dissipation de grille-écran max. ....	$W_g^I$	= 0,25 W
Max. screen-grid dissipation .....		
Mittlerer Schirmgitterstrom .....		
Courant de grille-écran moyen .....	$I_g^I$	= 0,6 mA
Average screen-grid current .....		
Ungefähre Grenzw. des Schirmgitterstr.		
Limites approxim. du cour. de gr.-écran	$I_g^I$ min.	= 0,2 mA
Approx. limits of screen-grid current	$I_g^I$ max.	= 0,9 mA
Gitterstrom-Einsatzpunkt .....		
Point de commenc. du courant de grille	$V_{gi}$	= -1,3 V
Starting point of grid current .....		
Max. Widerstand im Gitterkreis .....	$R_{g1}$	= 1,5 M. Ohm
Point de commenc. du courant de grille	$R_{g2}$	= 1,0 M. Ohm
Max. resistance in grid circuit .....		
Max. Spann. zwischen Faden und Kath.		
Tension max. entre filament et cathode	$V_{fc}$	= 50 V
Max. voltage between filam. and cathode		
Max. Widerst. zwischen Faden und Kath.		
Résist. max. entre filament et cathode	$R_{fc}$	= 20000 Ohm
Max. resist. betw. filament and cathode		
Kapazitäten .....	$C_g$	= 11 $\mu\mu F$
Capacités .....	$C_a$	= 8,3 $\mu\mu F$
Capacities .....	$C_{ag}$	= 0,005 $\mu\mu F$

$I_a$  (mA)



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Max. anode voltage .....	$V_{aL}$	= 200 V
Max. Anodenbelastung .....		
Dissipation anodique max. ....	$W_a$	= 1,0 W
Max. anode dissipation .....		
Max. Kathodenstrom .....		
Courant cathodique max. ....	$I_c$	= 10 mA
Max. cathode current .....		
Max. Schirmgitterspannung .....	$V_g^{I_0}$	= 300 V
Tension de grille-écran max. ....	$V_g^I$	= $V_a - 50$ V
Max. screen-grid voltage .....		max. 150 V
Max. Schirmgitterbelastung .....		
Dissipation de grille-écran max. ....	$W_g^I$	= 0,25 W
Max. screen-grid dissipation .....		
Mittlerer Schirmgitterstrom .....		
Courant de grille-écran moyen .....	$I_g^I$	= 0,6 mA
Average screen-grid current .....		
Ungefähre Grenz. des Schirmgitterstr.	$I_g^I$ min.	= 0,2 mA
Limites approxim. du cour. de gr.-écran	$I_g^I$ max.	= 0,9 mA
Approx. limits of screen-grid current		
Gitterstrom-Einsatzpunkt .....		
Point de commenc. du courant de grille	$V_{gi}$	= -1,1 V
Starting point of grid current .....		
Max. Widerstand im Gitterkreis .....	$R_{g1}$	= 1,5 M. Ohm
Résistance max. dans le circuit de grille	$R_{g2}$	= 1,0 M. Ohm
Max. resistance in grid circuit .....		
Max. Spann. zwischen Faden und Kath.		
Tension max. entre filament et cathode	$V_{fc}$	= 50 V
Max. voltage between filam. and cathode		
Max. Widerst. zwischen Faden und Kath.		
Résist. max. entre filament et cathode	$R_{fc}$	= 20000 Ohm
Max. resist. betw. filament and cathode		
Kapazitäten .....	$C_g$	= 11 $\mu\mu F$
Capacités .....	$C_a$	= 8,3 $\mu\mu F$
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$I_a$  (mA)

