

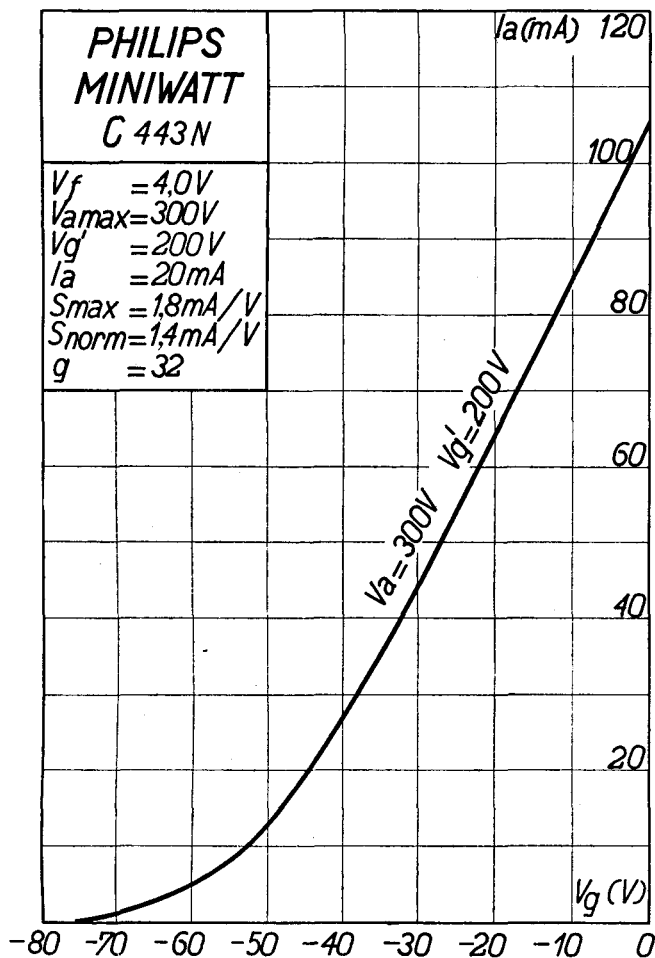
PHILIPS „MINIWATT“

Heizspannung		
Tension de chauffage	v_f	= 4,0 V
Filament voltage		
Heizstrom		
Courant de chauffage	i_f	= 0,25 A
Filament current		
Anodenspannung		
Tension anodique	v_a max.	= 300 V
Anode voltage		
Schirmgitterspannung		
Tension de grille-écran	v_g'	= 200 V
Screen-grid voltage		
Normaler Anodenstrom		
Courant anodique normal	i_a	= 20 mA
Normal anode current		
Neg. Gittervorspannung		ca.
Polarisation négative de grille	v_g	env. 45 V
Negative grid bias		appr.
Verstärkungsfaktor		
Coefficient d'amplification	$g(k)$	= 32
Amplification factor		
Steilheit (max.)	$S_{max.}$	= 1,8 mA/V
Inclinaison (max.)		
Slope (max.)		
Steilheit (norm.)	$S_{norm.}$	= 1,4 mA/V
Inclinaison (norm.)		
Slope (norm.)		
Innerer Widerstand (norm.)	R_i	= 23000 Ohm
Résistance intérieure (norm.)		
Internal resistance (norm.)		
Anodenverlustleistung	W_a max.	= 6 W
Dissipation anodique		
Anode dissipation		
Max. Länge	l	= 89 mm
Longueur max.		
Overall length		
Grösster Durchmesser	d	= 51 mm
Diamètre max.		
Max. diameter		
Sockel		= 0 35
Culot		
Base		
Sockelschaltung		= S VIII
Connexion du culot		
Base connection		

Anwendung: Endstufe:
 Applications: Tube final:
 Function: Power valve:

PHILIPS
MINIWATT
C 443N

$V_f = 4,0V$
 $V_{max} = 300V$
 $V_{g'} = 200V$
 $I_a = 20mA$
 $S_{max} = 1,8mA/V$
 $S_{norm} = 1,4mA/V$
 $g = 32$



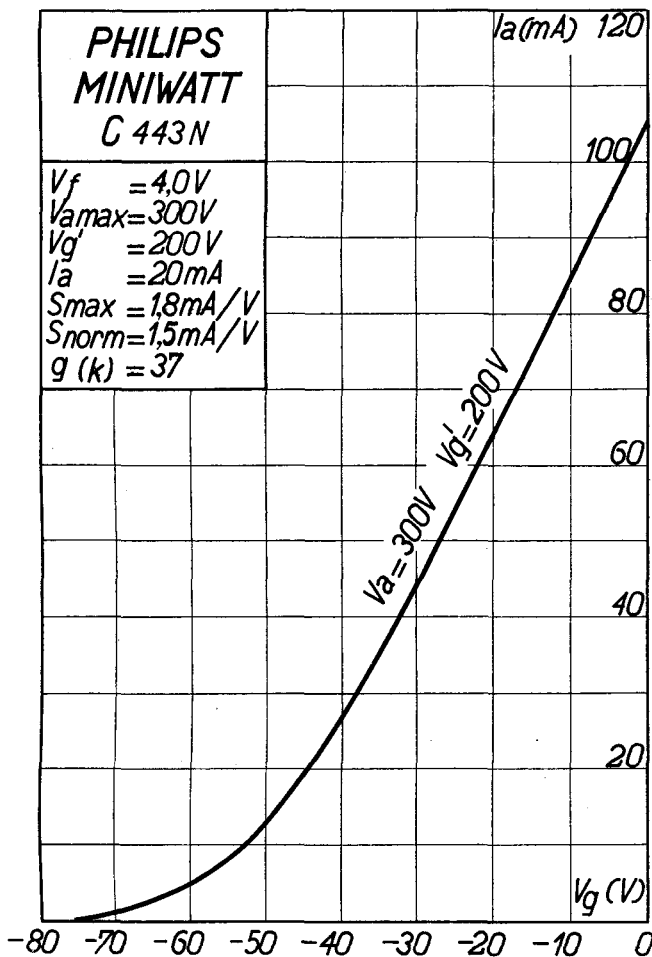
PHILIPS „MINIWATT”

Heizspannung		
Tension de chauffage	v_f	= 4,0 V
Filament voltage		
Heizstrom		ca.
Courant de chauffage	i_f	= env. 0,25 A
Filament current		appr.
Anodenspannung		
Tension anodique	v_a max.	= 300 V
Anode voltage		
Schirmgitterspannung		
Tension de grille-écran	$v_{g'}$	= 200 V
Screen-grid voltage		
Normaler Anodenstrom		
Courant anodique normal	i_a	= 20 mA
Normal anode current		
Neg. Gittervorspannung		ca.
Polarisation négative de grille	v_g	= env. 42 V
Negative grid bias		appr.
Steilheit (max.)		
Inclinaison (max.)	$S_{max.}$	= 1,8 mA/V
Slope (max.)		
Steilheit (norm.)		
Inclinaison (norm.)	S_{norm}	= 1,5 mA/V
Slope (norm.)		
Verstärkungsfaktor		
Coefficient d'amplification	$g(k)$	= 37
Amplification factor		
Innerer Widerstand (norm.)		
Résistance intérieure (norm.)	R_i	= 25000 Ohm
Internal resistance (norm.)		
Anodenverlustleistung		
Dissipation anodique	w_a	= 6 W
Anode dissipation		
Max. Länge		
Longueur max.	l	= 89 mm
Overall length		
Grösster Durchmesser		
Diamètre max.	d	= 51 mm
Max. diameter		
Sockel		
Culot		= 0 35
Base		
Sockelschaltung		
Connexion du culot		= S VIII
Base connection		

Anwendung:	Endstufe
Application:	Tube final
Function:	Power valve

**PHILIPS
MINIWATT
C 443 N**

$V_f = 4,0V$
 $V_{amax} = 300V$
 $V_{g'} = 200V$
 $I_a = 20mA$
 $S_{max} = 1,8mA/V$
 $S_{norm} = 1,5mA/V$
 $g(k) = 37$



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Max. Anodenspannung	V_{ao}	= 400 V
Tension anodique max.	V_{aL}	= 300 V
Max. anode voltage		
Max. Anodenbelastung	W_a	= 6 W
Dissipation anodique max.		
Max. anode dissipation		
Max./Kathodenstrom	I_c	= 25 mA
Courant cathodique max.		
Max. cathode current		
Max. Schirmgitterspannung	$V_g^{I_o}$	= 400 V
Tension de grille-écran max.	$V_g^{I_o}$	= 200 V
Max. screen-grid voltage		
Max. Schirmgitterbelastung	$W_g^{I_o}$	= 1,0 W
Dissipation de grille-écran max.		
Max. screen-grid dissipation		
Mittlerer Schirmgitterstrom	$I_g^{I_o}$	= 0,4 mA
Courant de grille-écran moyen		
Average screen-grid current		
Ungefähre Grenzw. des Schirmgitterstr.	$I_g^{I_o} \min.$	= 0,1 mA
Limites approxim. du cour. de gr.-écran	$I_g^{I_o} \max.$	= 1 mA
Approx. limits of screen-grid current		
Gitterstrom-Einsatzpunkt	V_{gi}	= -2 V
Point de commenc. du courant de grille	$(V_{gi} = 4 \text{ V} \sim)$	
Starting point of grid current		
Max. Widerstand im Gitterkreis	R_{g1}	= 1,5 M.Ω
Résistance max. dans le circuit de grille	R_{g2}	= 1 M.Ω
Max. resistance in grid circuit		
Nutzleistung	W_{o1}	($V_{geff} = 13 \text{ V}$) ($R_a = 15000 \text{ Ω}$) = 1,9 W
Puissance utile		
Output	W_{o2}	($V_{geff} = 20 \text{ V}$) ($R_a = 15000 \text{ Ω}$) = 3 W
Kapazitäten	C_{ag}	= 1 μF
Capacités	C_{ak}	= 10,8 μF
Capacities	C_{gk}	= 8,8 μF

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$V_g' = 200 \text{ V}$
 $V_f = 4.0 \text{ V} \sim$

