

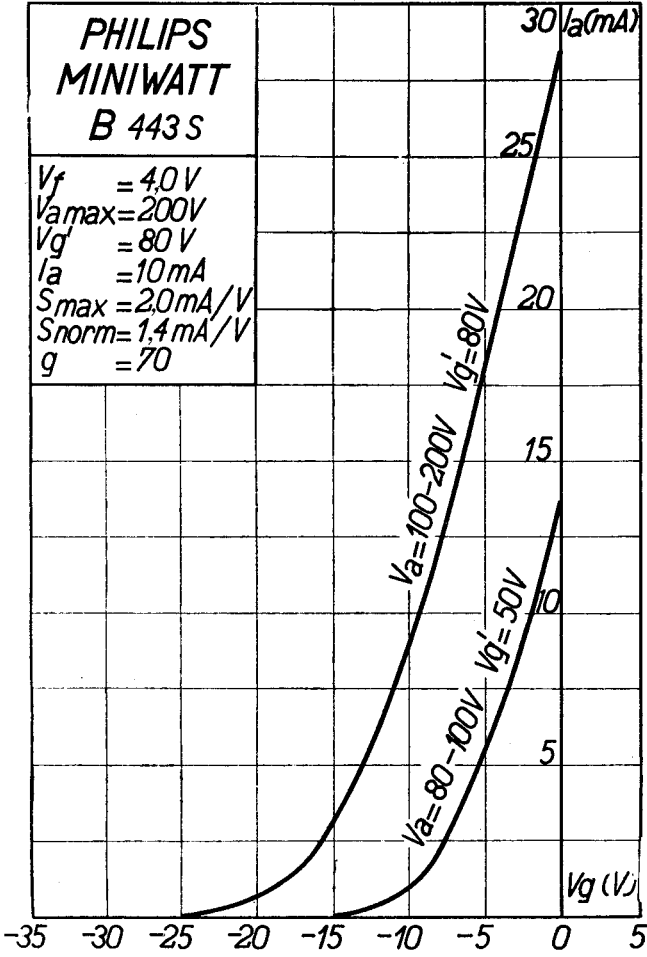
PHILIPS „MINIWATT“

Heizspannung			
Tension de chauffage	v_f	=	4,0 V
Filament voltage			
Heizstrom			
Courant de chauffage	i_f	=	0,150 A
Filament current			
Anodenspannung			
Tension anodique	v_a max.	=	200 V
Anode voltage			
Schirmgitterspannung			
Tension de grill-écran	v_g'	=	80 V
Screen-grid voltage			
Normaler Anodenstrom			
Courant anodique normal	i_a	=	10 mA
Normal anode current			
Neg. Gitterspannung			ca.
Polarisation négative de grille	v_g	=	env. 10 V
Negative grid bias			appr.
Verstärkungsfaktor			
Coefficient d'amplification	$g(k)$	=	70
Amplification factor			
Steilheit (max.)			
Inclinaison (max.)	$S_{max.}$	=	2,0 mA/V
Slope (max.)			
Steilheit (norm.)			
Inclinaison (norm.)	$S_{norm.}$	=	1,4 mA/V
Slope (norm.)			
Innerer Widerstand (norm.)			
Résistance intérieure (norm.)	R_i	=	50000 Ohm
Internal resistance (norm.)			
Max. Länge			
Longueur max.	l	=	92 mm
Overall length			
Grösster Durchmesser			
Diamètre max.	d	=	51 mm
Max. diameter			
Sockel			
Culot		=	O 35
Base			
Sockelschaltung			
Connexion du culot		=	S VIII
Base connection			

Anwendung: Endstufe
 Application: Tube final
 Function: Power valve

**PHILIPS
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B 443 S**

$V_f = 4,0 V$
 $V_{max} = 200V$
 $V_{g'} = 80 V$
 $I_a = 10 mA$
 $S_{max} = 2,0 mA/V$
 $S_{norm} = 1,4 mA/V$
 $g = 70$



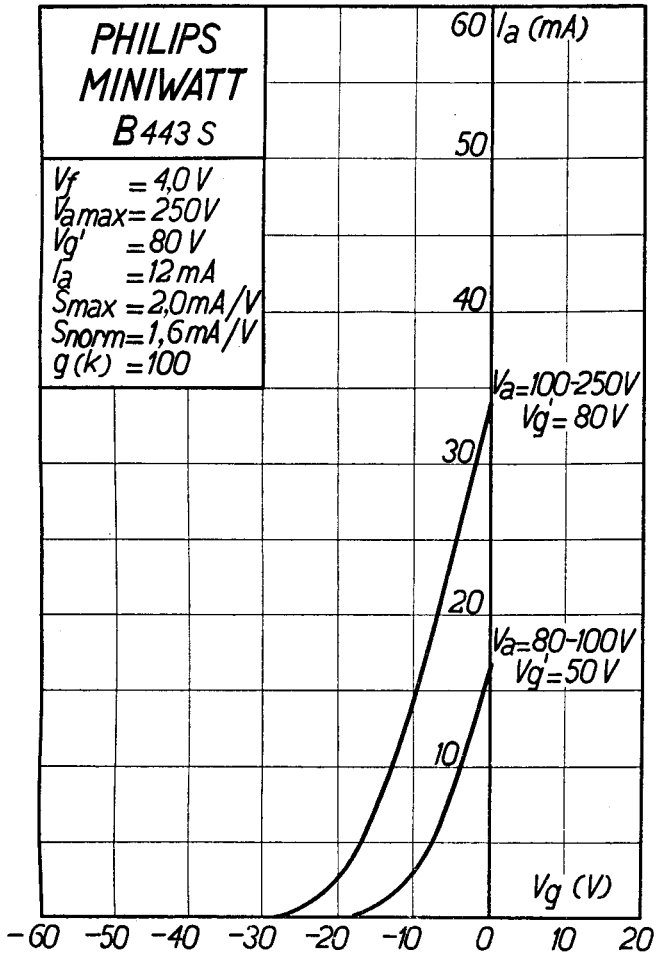
PHILIPS „MINIWATT“

Heizspannung	V_f	= 4,0 V
Tension de chauffage		
Filament voltage		
Heizstrom	I_f	= 0,15 A
Courant de chauffage		
Filament current		
Anodenspannung	$V_{a \text{ max.}}$	= 250 V
Tension anodique		
Anode voltage		
Hilfsgitterspannung	V_g'	= 80 V
Tension auxiliaire de grille		
Auxiliary-grid voltage		
Normaler Anodenstrom	I_a	= 12 mA
Courant anodique normal		
Normal anode current		
Neg. Gittervorspannung	V_g	ca. = env. 12 V appr.
Polarisation négative de grille		
Negative grid bias		
Verstärkungsfaktor	$g(k)$	= 100
Coefficient d'amplification		
Amplification factor		
Steilheit (max.)	$S_{\text{max.}}$	= 2,0 mA/V
Inclinaison (max.)		
Slope (max.)		
Steilheit (norm.)	$S_{\text{norm.}}$	= 1,6 mA/V
Inclinaison (norm.)		
Slope (norm.)		
Innerer Widerstand (norm.)	R_i	= 60.000 Ohm
Résistance intérieure (norm.)		
Internal resistance (norm.)		
Max. Länge	l	= 92 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
 Application: Tube final
 Function: Power valve

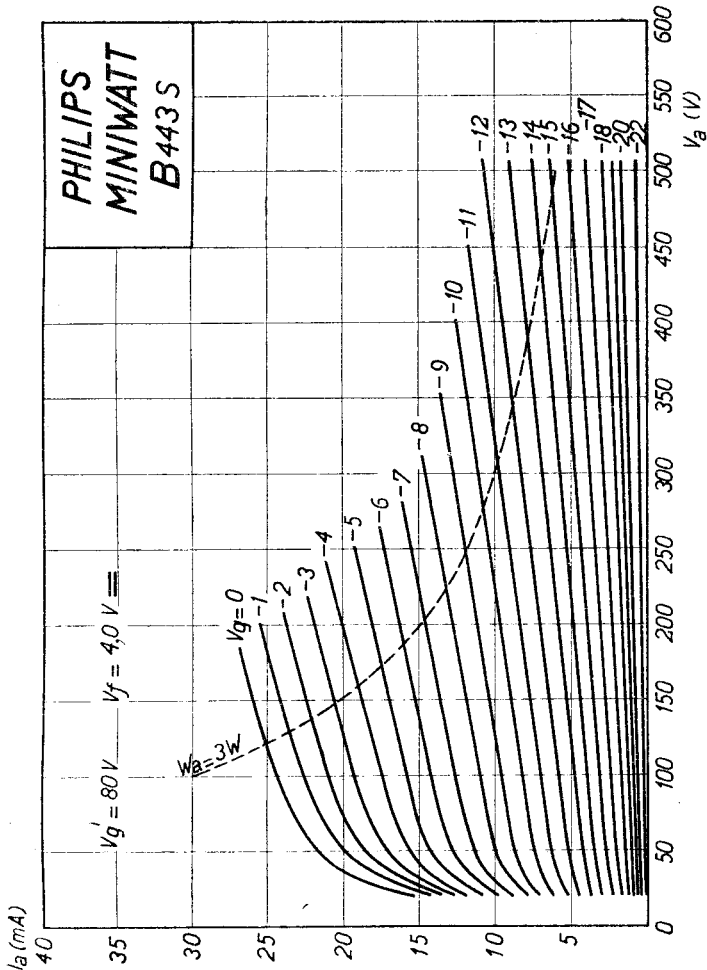
**PHILIPS
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B443 S**

$V_f = 4,0 V$
 $V_{a\max} = 250 V$
 $V_{g'} = 80 V$
 $I_a = 12 mA$
 $S_{\max} = 2,0 mA/V$
 $S_{\text{norm}} = 1,6 mA/V$
 $g(k) = 100$



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Max. Anodenspannung	V^{ao}	= 400 V
Tension anodique max.	V^{ao}	= 200 V
Max. anode voltage	V^{aL}	
Max. Anodenbelastung		
Dissipation anodique max.	W_a	= 3 W
Max. anode dissipation		
Max. Kathodenstrom		
Courant cathodique max.	I_c	= 15 mA
Max. cathode current		
Max. Schirmgitterspannung	$V_g^{/o}$	= 400 V
Tension de grille-écran max.	$V_g^{/o}$	= 80 V
Max. screen-grid voltage	$V_g^{/}$	
Max. Schirmgitterbelastung		
Dissipation de grille-écran max.	$W_g^{/}$	= 0,4 W
Max. screen-grid dissipation		
Mittlerer Schirmgitterstrom		
Courant de grille-écran moyen	$I_g^{/}$	= 1,9 mA
Average screen-grid current		
Ungefähre Grenzw. des Schirmgitterstr.	$I_g^{/}$ min.	= 1,4 mA
Limites approxim. du cour. de gr.-écran	$I_g^{/}$ max.	= 2,4 mA
Approx. limits of screen-grid current		
Gitterstrom-Einsatzpunkt	V_g^{gi}	
Point de commenc. du courant de grille	$(V_f = 4 \text{ V} =)$	= -0,4 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		
Nutzleistung	W_{o1} ($V_g^{ef1} = 5,1 \text{ V}$)	= 0,58 W
Puissance utile	($R_a = 20000 \Omega$)	
Output	W_{o2} ($V_g^{ef1} = 7,0 \text{ V}$)	= 0,86 W
	($R_a = 20000 \Omega$)	
Kapazitäten	C_{ag}	= 1,4 $\mu\mu\text{F}$
Capacités	C_{ak}	= 9,6 $\mu\mu\text{F}$
Capacities	C_{gk}	= 8,9 $\mu\mu\text{F}$



PHILIPS „MINIWATT“

Max. Anodenspannung	V_{ao}	= 400 V
Tension anodique max.	V_{aL}	= 250 V
Max. anode voltage		
Max. Anodenbelastung	W_a	= 3 W
Dissipation anodique max.		
Max. anode dissipation		
Max. Kathodenstrom	I_c	= 15 mA
Courant cathodique max.		
Max. cathode current		
Max. Schirmgitterspannung	V_g^I	= 400 V
Tension de grille-écran max.	V_g^I	= 80 V
Max. screen-grid voltage		
Max. Schirmgitterbelastung	W_g^I	= 0,4 W
Dissipation de grille-écran max.		
Max. screen-grid dissipation		
Mittlerer Schirmgitterstrom	I_g^I	= 2 mA
Courant de grille-écran moyen		
Average screen-grid current		
Ungefähre Grenzw. des Schirmgitterstr.	I_g^I min.	= 1,3 mA
Limites approxim. dans le circuit de gr.-écran	I_g^I max.	= 2,7 mA
Approx. limits of screen-grid current		
Gitterstrom-Einsatzpunkt	V_f^{gi}	= -2 V
Point de commenc. du courant de grille	$V_f^{gi} = 4 \text{ V } \searrow$	
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		
Nutzleistung	W_{01} ($V_a^{eff} = 6,2 \text{ V}$)	= 0,9 W
Puissance utile	($R_a = 22000 \text{ Ohm}$)	
Output	W_{02} ($V_a^{eff} = 6,8 \text{ V}$)	= 1,12 W
	($R_a = 22000 \text{ Ohm}$)	
Kapazitäten	C_{ag}	= 1,4 $\mu\mu\text{F}$
Capacités	C_{gk}	= 9,6 $\mu\mu\text{F}$
Capacities	C_{gk}	= 8,9 $\mu\mu\text{F}$

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