

PHILIPS „MINIWATT“

Heizspannung			
Tension de chauffage	v_f	=	4,0 V
Filament voltage			
			ca.
Heizstrom			
Courant de chauffage	i_f	=	env. 2,0 A
Filament current			appr.
Anodenspannung			
Tension anodique	$v_a \text{ max.}$	=	550 V
Anode voltage			
Schirmgitterspannung			
Tension de grille-écran	$v_{g'}$	=	200 V
Screen-grid voltage			
Normaler Anodenstrom			
Courant anodique normal	i_a	=	45 mA
Normal anode current			
			ca.
Neg. Gittervorspannung			
Polarisation négative de grille	v_g	=	env. 40 V
Negative grid bias			appr.
Verstärkungsfaktor			
Coefficient d'amplification	$g(k)$	=	100
Amplification factor			
Steilheit (max.)			
Inclinaison (max.)	$S_{\text{max.}}$	=	5,0 mA/V
Slope (max.)			
Steilheit (norm.)			
Inclinaison (norm.)	$S_{\text{norm.}}$	=	3,0 mA/V
Slope (norm.)			
Innerer Widerstand (norm.)			
Résistance intérieure (norm.)	R_i	=	33000 Ohm
Internal resistance (norm.)			
Anodenverlustleistung			
Dissipation anodique	$w_a \text{ max.}$	=	25 W
Anode dissipation			
Max. Länge	l	=	160 mm
Longueur max.			
Overall length			
Grösster Durchmesser			
Diamètre max.	d	=	67 mm
Max. diameter			
Sockel		=	C 4C
Culot			
Base			
Sockelschaltung		=	S VIII
Connexion du culot			
Base connection			

Anwendung: Endstufe
 Applications: Tube final
 Function: Power valve

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F443**

$V_f = 4,0V$
 $V_{a\max} = 550V$
 $V_{g'} = 200V$
 $I_a = 45mA$
 $S_{\max} = 5mA/V$
 $S_{\text{norm}} = 3mA/V$
 $g(k) = 100$

120 I_a (mA)

100

80

60

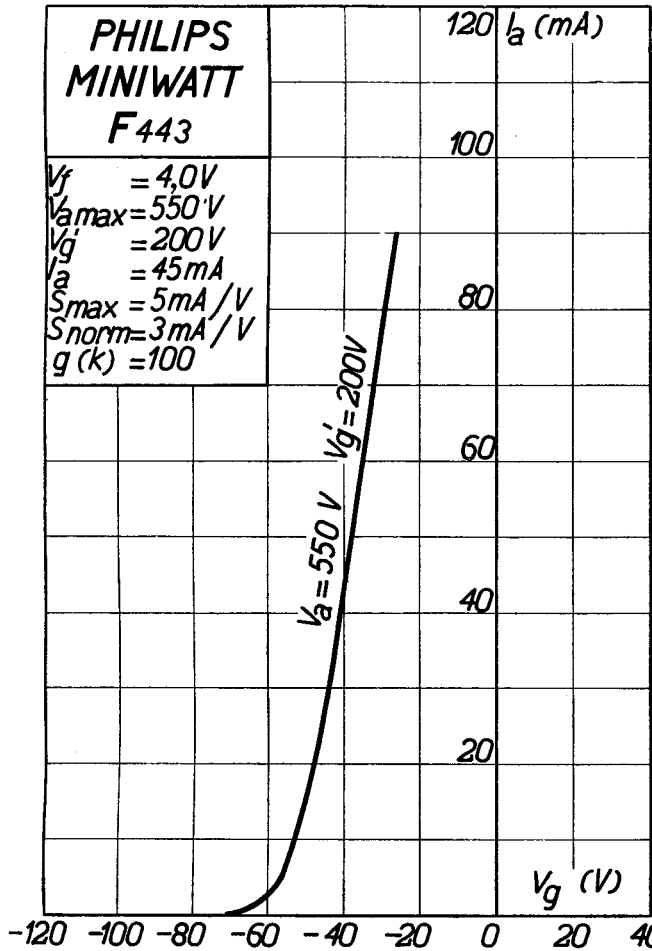
40

20

V_g (V)

$V_a = 550V$
 $V_{g'} = 200V$

-120 -100 -80 -60 -40 -20 0 20 40



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Max. Anodenspannung	V_{ao}	= 900 V
Tension anodique max.	V_{ao}	= 550 V
Max. anode voltage	V_{aL}	
Max. Anodenbelastung		
Dissipation anodique max.	W_a	= 25 W
Max. anode dissipation		
Max. Kathodenstrom		
Courant cathodique max.	I_c	= 90 mA
Max. cathode current		
Max. Schirmgitterspannung	$V_{g'0}$	= 900 V
Tension de grille-écran max.	$V_{g'0}$	= 200 V
Max. screen-grid voltage	$V_{g'}$	
Max. Schirmgitterbelastung		
Dissipation de grille-écran max.	$W_{g'}$	= 1,8 W
Max. screen-grid dissipation		
Mittlerer Schirmgitterstrom		
Courant de grille-écran moyen	$I_{g'}$	= 6,5 mA
Average screen-grid current	$I_{g'}$	
Ungefähre Grenzw. des Schirmgitterstr.	$I_{g'}$ min.	= 3,5 mA
Limites approxim. du cour. de gr.-écran	$I_{g'}$ max.	= 8,5 mA
Approx. limits of screen-grid 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}	= 0,3 M. Ohm
Résistance max. dans le circuit de grille	R_{g2}	= 0,1 M. Ohm
Max. resistance in grid circuit		
Nutzleistung	W_{01} ($V_{g^{eff}} = 11,5$ V)	= 7,6 W
Puissance utile	($R_a = 14000$ Ohm)	
Output	W_{02} ($V_{g^{eff}} = 16,2$ V)	= 11,5 W
	($R_a = 14000$ Ohm)	
Kapazitäten	C_{ag}	= 3 μ F
Capacités	C_{ak}	= 12 μ F
Capacities	C_{gk}	= 14,6 μ F

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