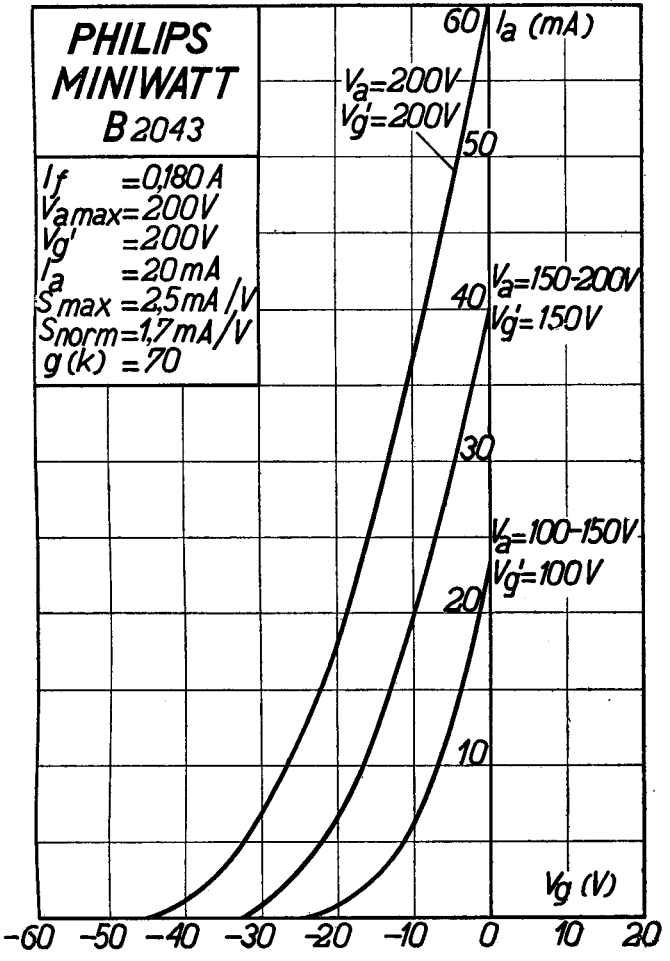
B 2043

PHILIPS „MINIWATT"

Heizspannung Tension de chauffage Filament voltage	V_f	=	ca. env. 20 V appr.
Heizstrom Courant de chauffage Filament current	I_f	=	0,180 A
Anodenspannung Tension anodique Anode voltage	$V_{a\,max.}$	=	200 V
Schirmgitterspannung Tension de grille-écran Screen-grid voltage	$V_{g'}$	=	200 V
Normaler Anodenstrom Courant anodique normal Normal anode current	I_a	=	20 mA
Neg. Gittervorspannung Polarisation négative de grille Negative grid bias	V_g	=	ca. env. 18 V appr.
Verstärkungsfaktor Coefficient d'amplification Amplification factor	$g(k)$	=	70
Steilheit (max.) Inclinaison (max.) Slope (max.)	$S_{\text{max.}}$	=	2,5 mA/V
Steilheit (norm.) Inclinaison (norm.) Slope (norm.)	S_{norm}	=	1,7 mA/V
Innerer Widerstand (norm.) Résistance intérieure (norm.) Internal resistance (norm.)	R_i	=	40000 Ohm
Max. Länge Longueur max. Overall length	l	=	105 mm
Grösster Durchmesser Diamètre max. Max. diameter	d	=	51 mm
Sockel Culot Base		=	B 35
Sockelschaltung Connexion du culot Base connection		=	S. XVIII

Anwendung: Endstufe
Application: Tube final
Function: Power valve

5/10'33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I_f =0,180 A
V_{amax}=200V
$V_{g'}$ =200V
I_a =20 mA
S_{max} =2,5 mA/V
S_{norm}=1,7 mA/V
g(k) =70
I_a (mA)
60
50
40
30
20
10
V_a=200V
$V_{g'}$=200V
V_a=150-200V
$V_{g'}$=150V
V_a=100-150V
$V_{g'}$=100V
V_g (V)
-60
-50
-40
-30
-20
-10
0
10
20

B 2043

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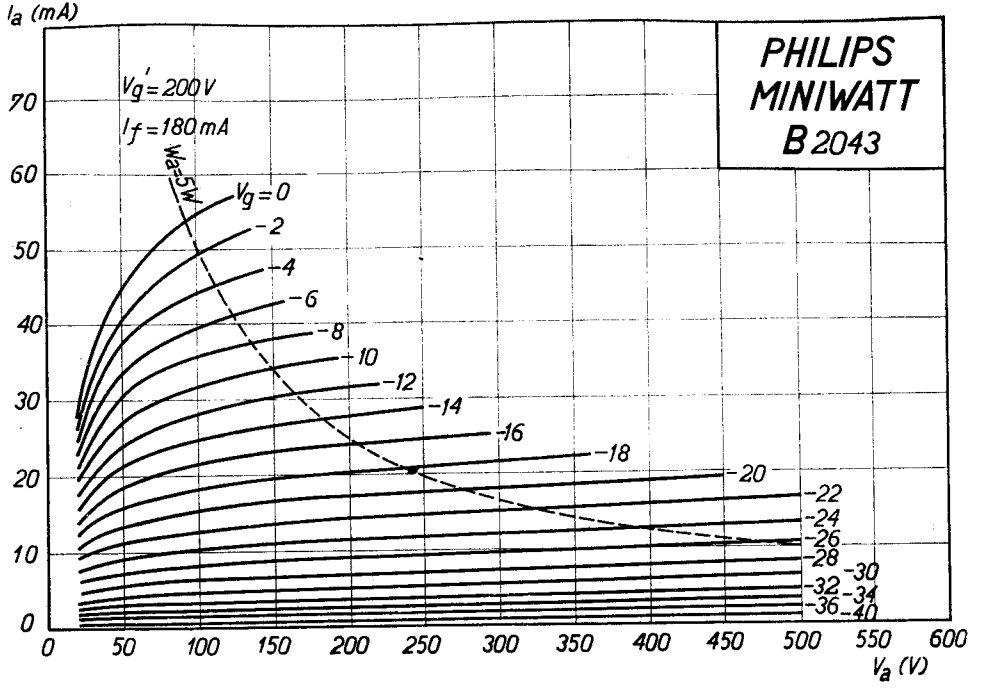
Max. Anodenspannung	V_{ao}	= 250 V
Tension anodique max.		
Max. anode voltage	V_{a_L}	= 200 V
Max. Anodenbelastung		
Dissination anodique max.	W_a	= 5 W
Max. anode dissipation		
Max. Kathodenstrom		
Courant cathodique max.	I_c	= 30 mA
Max. cathode current		
Max. Schirmgitterspannung	$V_{g'o}$	= 250 V
Tension de grille-écran max.		
Max. screen-grid voltage	$V_{g'}$	= 200 V
Max. Schirmgitterbelastung		
Dissipation de grille-écran max.	$W_{g'}$	= 3 W
Max. screen-grid dissipation		
Mittlerer Schirmgitterstrom		
Courant de grille-écran moyen	$I_{g'}$	= 8 mA
Average screen-grid current		
Ungefähre Grenzw. des Schirmgitterstr.	$I_{g'}$ min	= 4 mA
Limites approxim. du cour. de gr.-écran		
Approx. limits of screen-grid current	$I_{g'}$ max.	= 12 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 M.Ohm
Résistance max. dans le circuit de grille		
Max. resistance in grid circuit	R_{g2}	= 0,6 M.Ohm
Max. Spann. zwischen Faden und Kath.		
Tension max. entre filament et cathode	V_{fc}	= 120 V
Max. voltage between filam. and cathode		
Nutzleistung	W_{o1}	($V_{g\,eff}$ = 8 V) (R_a = 10000 Ω) = 1,0 W
Puissance utile		
Output	W_{o2}	($V_{g\,eff}$ = 11,5 V) (R_a = 10000 Ω) = 1,7 W
Kapazitäten	C_{ag}	= 1,2 μμF
Capacités	C_{ak}	= 7,3 μμF
Capacities	C_{gk}	= 6,3 μμF

18/11'33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I_a (mA)
$V_g' = 200\,V$
$I_f = 180\,mA$
$W_a = 5\,W$
$V_g = 0$
-2
-4
-6
-8
-10
-12
-14
-16
-18
-20
-22
-24
-26
-28
-30
-32
-34
-36
-40
0
10
20
30
40
50
60
70
0
50
100
150
200
250
300
350
400
450
500
550
600
V_a (V)