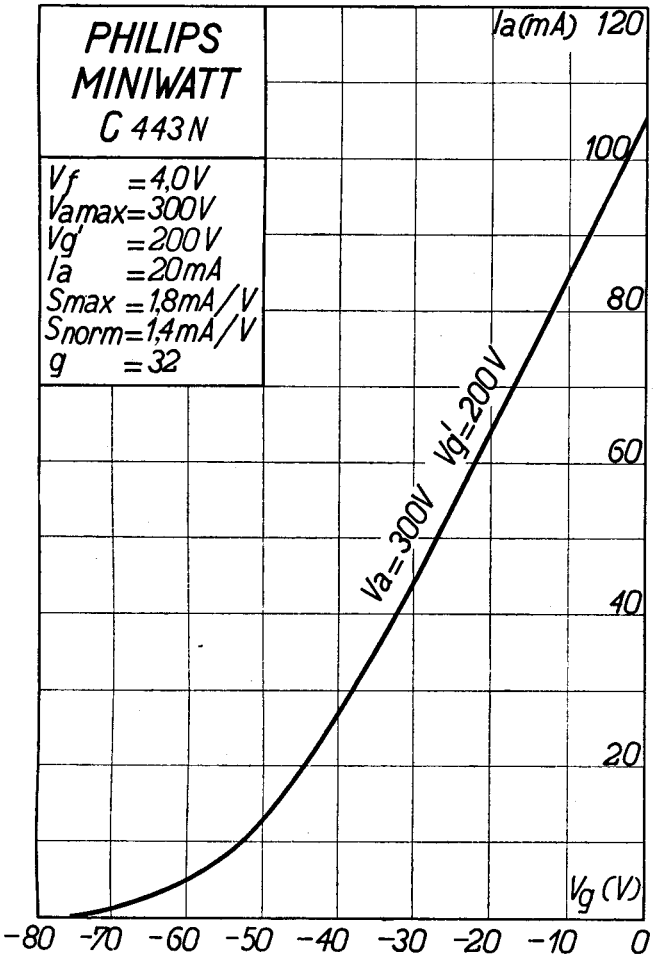
C 443N

PHILIPS „MINIWATT"

Heizspannung Tension de chauffage Filament voltage	v_f	=	4,0 V
Heizstrom Courant de chauffage Filament current	i_f	=	0,25 A
Anodenspannung Tension anodique Anode voltage	$v_{a\ max.}$	=	300 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. 45 V appr.
Verstärkungsfaktor Coefficient d'amplification Amplification factor	$g\,(k)$	=	32
Steilheit (max.) Inclinaison (max.) Slope (max.)	$S_{max.}$	=	1,8 mA/V
Steilheit (norm.) Inclinaison (norm.) Slope (norm.)	$S_{norm.}$	=	1,4 mA/V
Innerer Widerstand (norm.) Résistance intérieure (norm.) Internal resistance (norm.)	R_i	=	23000 Ohm
Anodenverlustleistung Dissipation anodique Anode dissipation	$W_{a\ max.}$	=	6 W
Max. Länge Longueur max. Overall length	l	=	89 mm
Grösster Durchmeser Diamètre max. Max. diameter	d	=	51 mm
Sockel Culot Base		=	0 35
Sockelschaltung Connexion du culot Base connection		=	S VIII

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


PHILIPS
MINIWATT
C 443N
Vf =4,0V
Vamax=300V
Vg' =200V
Ia =20mA
Smax =1,8mA/V
Snorm=1,4mA/V
g =32
Ia(mA)
120
100
80
60
40
20
Vg (V)
Va=300V
Vg'=200V
-80
-70
-60
-50
-40
-30
-20
-10
0

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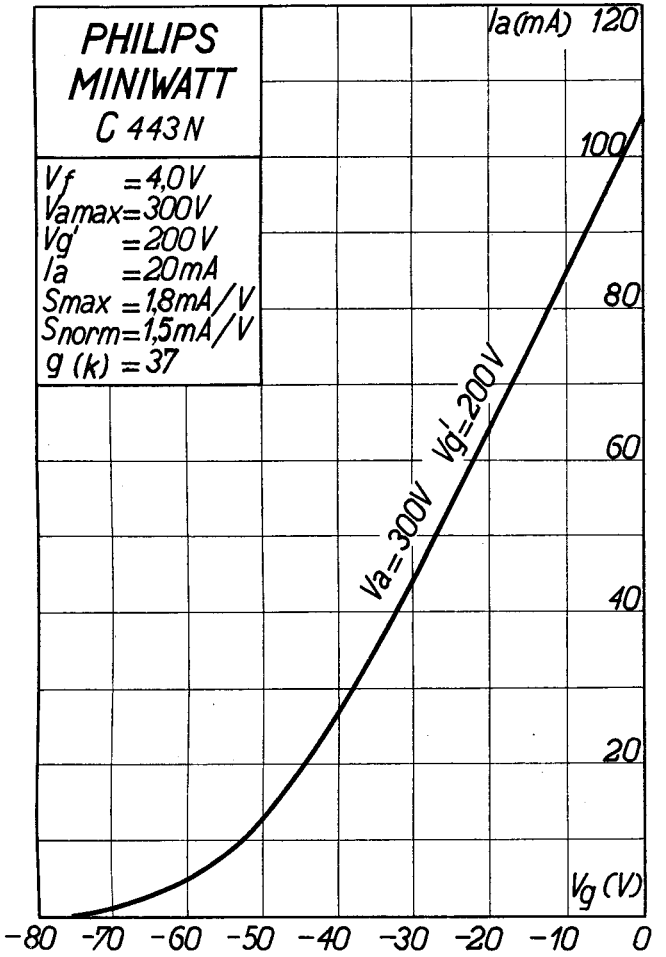
Heizspannung Tension de chauffage Filament voltage	v_f	=	4,0 V
Heizstrom Courant de chauffage Filament current	i_f	=	ca. env. 0,25 A appr.
Anodenspannung Tension anodique Anode voltage	$v_{a\ max.}$	=	300 V
Schirmgitterspannung Tension de grille-écran Screen-grid voltage	$v_{g'}$	=	200 V
Normaler Anodenstrom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

Anwendung:	Endstufe
Application:	Tube final
Function:	Power valve


PHILIPS
MINIWATT
C 443 N
Vf = 4,0 V
Vamax = 300 V
Vg' = 200 V
Ia = 20 mA
Smax = 1,8 mA/V
Snorm = 1,5 mA/V
g (k) = 37
Ia (mA)
120
100
80
60
40
20
Vg (V)
Va = 300 V
Vg' = 200 V
-80
-70
-60
-50
-40
-30
-20
-10
0

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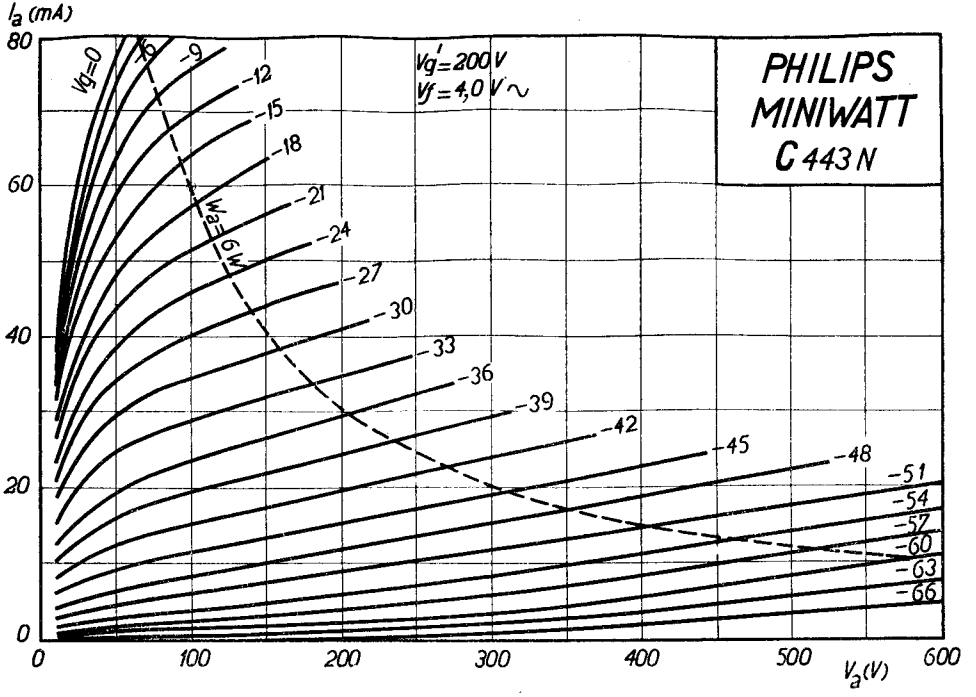
Max. Anodenspannung Tension anodique max. Max. anode voltage	V_{ao} V_{a_L}	= 400 V = 300 V
Max. Anodenbelastung Dissipation anodique max. Max. anode dissipation	W_a	= 6 W
Max. Kathodenstrom Courant cathodique max. Max. cathode current	I_c	= 25 mA
Max. Schirmgitterspannung Tension de grille-écran max.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


I_a (mA)
80
60
40
20
0
0
100
200
300
400
500
600
V_a(V)
V_g=0
-3
-6
-9
-12
-15
-18
-21
-24
-27
-30
-33
-36
-39
-42
-45
-48
-51
-54
-57
-60
-63
-66
W_a=6 W
V_g'=200 V
V_f=4,0 V ~
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