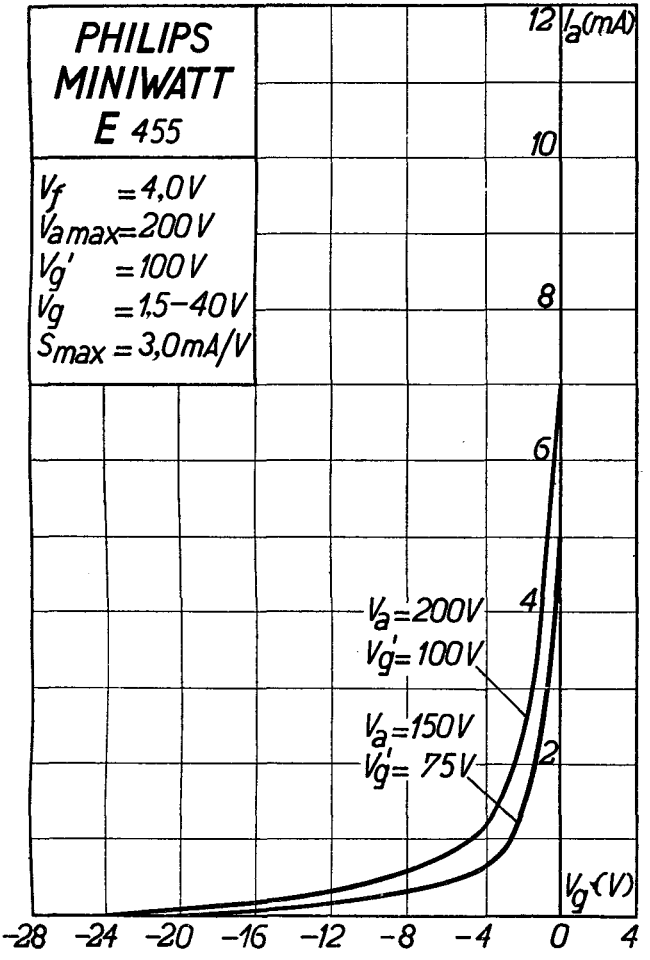
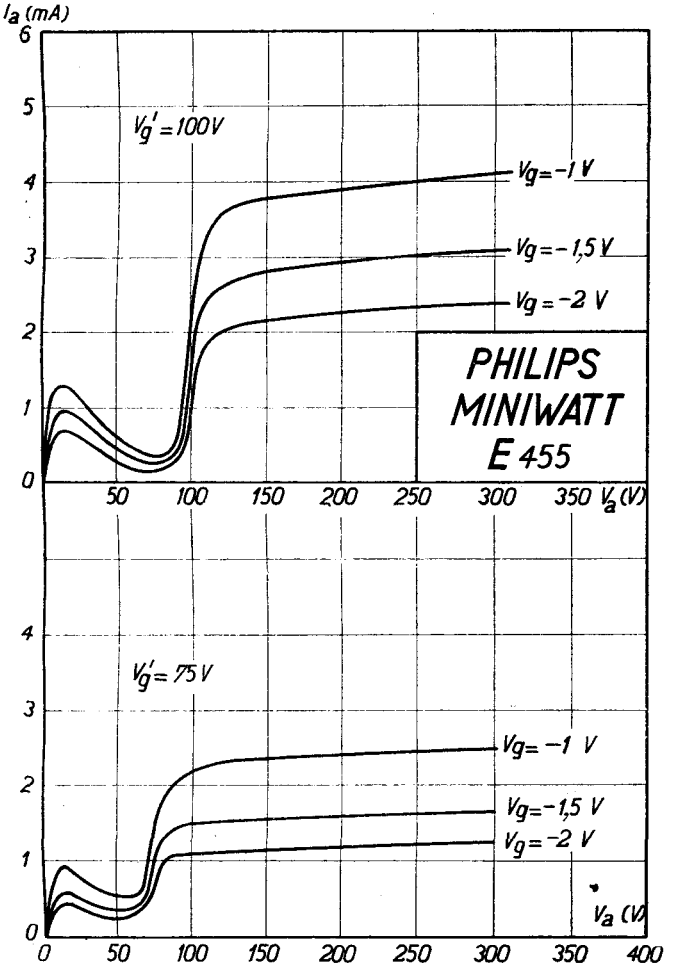
Heizspannung Tension de chauffage Filament voltage	V_f	=	4,0 V
Heizstrom Courant de chauffage Filament current	I_f	=	ca. env. 1,0 A appr.
Anodenspannung Tension anodique Anode voltage	$V_{a\,max}$	=	200 V
Schirmgitterspannung Tension de grille-écran Screen-grid voltage	$V_{g'}$	=	100 V
Normaler Anodenstrom Courant anodique normal Normal anode current (Vg = -1,5 V)	I_a	=	ca. env. 3 mA appr.
Normaler Anodenstrom Courant anodique normal Normal anode current (Vg = -40 V)	I_a	=	ca. env. 0,01 mA appr.
Verstärkungsfaktor Coefficient d'amplification Amplification factor	$g(k)$	=	700
Steilheit (max.) Inclinaison (max.) Slope (max.)	S_{max}	=	3,0 mA/V
Steilheit Inclinaison Slope (Vg = -1,5 V)	S	=	2,0 mA/V
Steilheit Inclinaison Slope (Vg = -40 V)	S	=	0,005 mA/V
Innerer Widerstand (norm.) Résistance intérieure (norm.) Internal resistance (norm.) (Vg = -1,5 V)	R_i	=	350000 Ohm
Innerer Widerstand (norm.) Résistance intérieure (norm.) Internal resistance (norm.) (Vg = -40 V)	R_i		>10 M.Ohm
Anoden-Gitterkapazität Capacité grille-plaque Anode-grid capacity	C_{ag}	=	0,003 $\mu\mu$F
Max. Länge Longueur max. Overall length	l	=	127 mm
Grösster Durchmesser Diamètre max. Max. diameter	d	=	51 mm
Sockel Culot Base		=	0 35
Sockelschaltung Connexion du culot Base connection		=	S X

Anwendung:	H.F.-Verstärkung	Z.F.-Verstärkung
Applications:	Amplification h.f.	Amplification m.f.
Function:	H.F. amplification	I.F. amplification


PHILIPS
MINIWATT
E 455
Vf = 4,0 V
Vamax = 200 V
Vg' = 100 V
Vg = 1,5–40 V
Smax = 3,0 mA/V
Ia (mA)
12
10
8
6
4
2
Va = 200 V
Vg' = 100 V
Va = 150 V
Vg' = 75 V
Vg (V)
-28
-24
-20
-16
-12
-8
-4
0
4

PHILIPS „MINIWATT"

Max. Anodenspannung Tension anodique max. Max. anode voltage	V_{ao} V_{aR} V_{aL}	= 400 V = 250 V = 200 V
Max. Anodenbelastung Dissipation anodique max. Max. anode dissipation	W_a	= 1,0 W
Max. Kathodenstrom Courant cathodique max. Max. cathode current	I_c	= 10 mA
Max. Schirmgitterspannung Tension de grille-écran max. Max. screen-grid voltage	$V_{g'o}$ $V_{g'}$	= 300 V = V_a —50 V max. 150 V
Max. Schirmgitterbelastung Dissipation de grille-écran max. Max. screen-grid dissipation	$W_{g'}$	= 0,25 W
Mittlerer Schirmgitterstrom Courant de grille-écran moyen Average screen-grid current	$I_{g'}$	= 0,8 mA
Ungefähre Grenzw. des Schirmgitterstr. Limites approxim. du cour. de gr.-écran Approx. limits of screen-grid current	$I_{g'}$ min. $I_{g'}$ max.	= 0,3 mA = 1,7 mA
Gitterstrom-Einsatzpunkt Point de commenc. du courant de grille Starting point of grid current	V_{gi}	= —1,3 V
Max. Widerstand im Gitterkreis Résistance max. dans le circuit de grille Max. resistance in grid circuit	R_{g1}	= 4 M.Ohm
Max. Spann. zwischen Faden und Kath. Tension max. entre filament et cathode Max. voltage between filam. and cathode	V_{fc}	= 80 V
Max. Widerst. zwischen Faden und Kath. Résist. max. entre filament et cathode Max. resist. betw. filament and cathode	R_{fc}	= 20000 Ohm
Kapazitäten Capacités Capacities	C_g C_a C_{ag}	= 12,7 $\mu\mu$F = 8,4 $\mu\mu$F = 0,003 $\mu\mu$F


Ia (mA)
6
5
4
3
2
1
0
Vg' = 100V
Vg = -1 V
Vg = -1,5 V
Vg = -2 V
PHILIPS
MINIWATT
E 455
50
100
150
200
250
300
350
Va (V)
4
3
2
1
0
Vg' = 75 V
Vg = -1 V
Vg = -1,5 V
Vg = -2 V
Va (V)
0
50
100
150
200
250
300
350
400