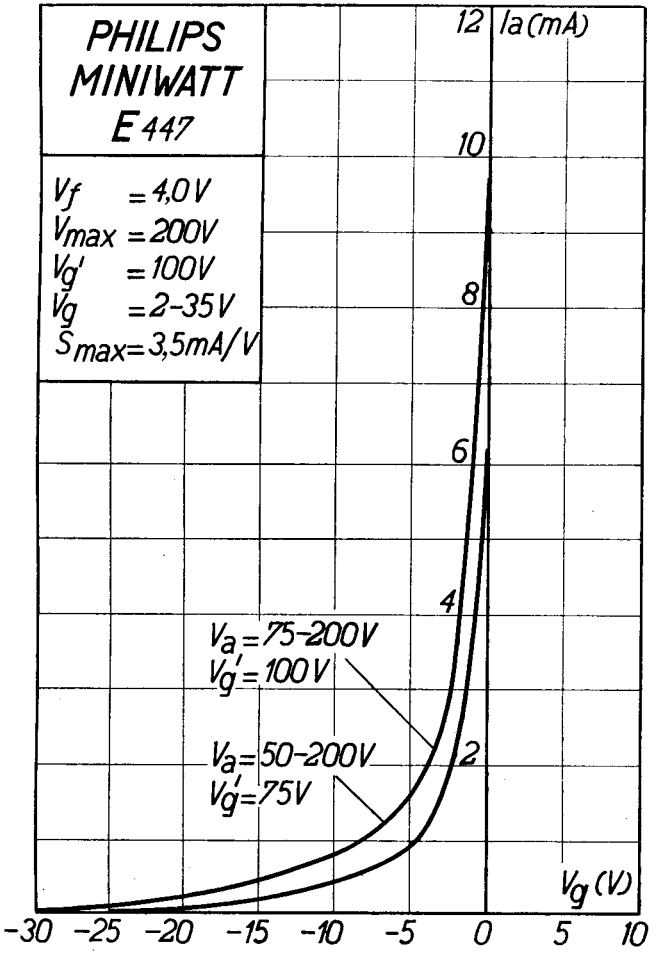
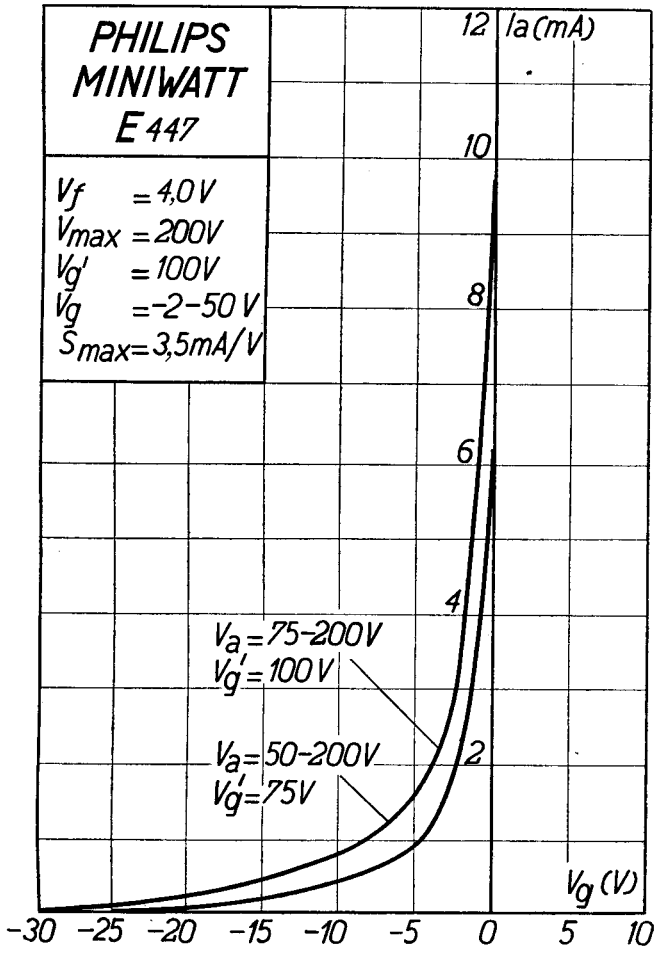
Heizspannung Tension de chauffage Filament voltage	v_f	=	4,0 V
Heizstrom Courant de chauffage Filament current	i_f	=	ca. env. 1,1 mA appr.
Anodenspannung Tension anodique Anode voltage	v_a	=	200 V
Schirmgitterspannung Tension de grille-écran Screen-grid voltage	$v_{g'}$	=	100 V
Normaler Anodenstrom Courant anodique normal Normal anode current (vg = -2 V)	i_a	=	ca. env. 4,5 mA appr.
Normaler Anodenstrom Courant anodique normal Normal anode current (vg = -35 V)	i_a	=	ca. env. 0,01 mA appr.
Verstärkungsfaktor Coefficient d'amplification Amplification factor	$g(k)$	=	2000
Steilheit (max.) Inclinaison (max.) Slope (max.)	S max.	=	3,5 mA/V
Steilheit Inclinaison Slope (vg = -2 V)	S	=	2 mA/V
Steilheit Inclinaison Slope (vg = -35 V)	S	=	0,005 mA/V
Innerer Widerstand (norm.) Résistance intérieure (norm.) Internal resistance (norm.) (vg = -2 V)	R_i	=	1 M.Ohm
Innerer Widerstand (norm.) Résistance intérieure (norm.) Internal resistance (norm.) (vg = -35 V)	R_i	>	10 M.Ohm
Anoden-Gitterkapazität Capacité grille-plaque Anode-grid capacity	C_{ag}	=	0,002 $\mu\mu$F
Max. Länge Longueur max. Overall length	l	=	138 mm
Grösster Durchmesser Diamètre max. Max. diameter	d	=	51 mm
Sockel Culot Base		=	0 35
Sockelschaltung Connexion du culot Base connection		=	S XVI

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


PHILIPS
MINIWATT
E 447
V_f = 4,0 V
V_{max} = 200V
$V_{g'}$ = 100V
V_g = 2-35V
S_{max} = 3,5mA/V
12
Ia (mA)
10
8
6
4
2
V_a = 75-200V
$V_{g'}$ = 100V
V_a = 50-200V
$V_{g'}$ = 75V
V_g (V)
-30
-25
-20
-15
-10
-5
0
5
10

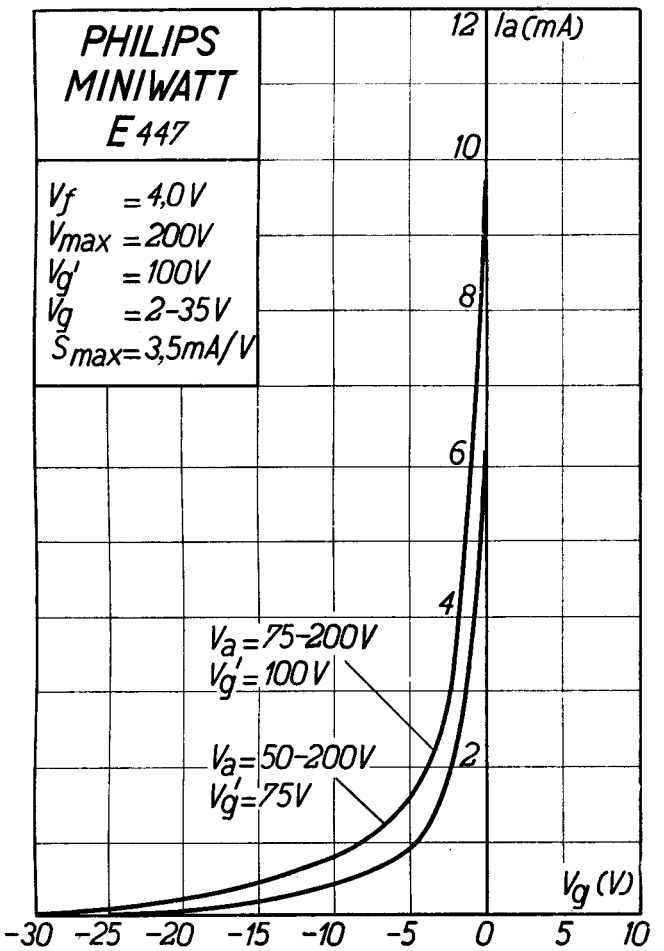
Heizspannung Tension de chauffage Filament voltage	V_f	=	4,0 V
Heizstrom Courant de chauffage Filament current	I_f	=	ca. env. 1,1 A appr.
Anodenspannung Tension anodique Anode voltage	V_a	=	200 V
Schirmgitterspannung Tension de grille-écran Screen-grid voltage	$V_{g/}$	=	100 V
Normaler Anodenstrom Courant anodique normal Normal anode current (vg = ca. env. appr. -2 V)	I_a	=	4,5 mA
Normaler Anodenstrom Courant anodique normal. Normal anode current (vg = ca. env. appr. -50 V)	I_a	=	0,01 mA
Verstärkungsfaktor Coefficient d'amplification Amplification factor	$g(k)$	=	2000
Steilheit (max.) Inclinaison (max.) Slope (max.)	$S_{max.}$	=	3,5 mA/V
Steilheit Inclinaison Slope (vg = ca. env. appr. -2 V)	S	=	2,3 mA/V
Steilheit Inclinaison Slope (vg = ca. env. appr. -50 V)	S	=	0,002 mA/V
Innerer Widerstand (norm.) Résistance intérieure (norm.) Internal resistance (norm.) (vg = ca. env. appr. -2 V)	R_i	=	1 M.Ohm
Innerer Widerstand (norm.) Résistance intérieure (norm.) Internal resistance (norm.) (vg = ca. env. appr. -50 V)	R_i	>	10 M.Ohm
Anoden-Gitterkapazität Capacité grille-plaque Anode-grid capacity	C_{ag}	=	0,002 $\mu\mu$F
Max. Länge Longueur max. Overall length	l	=	138 mm
Grösster Durchmesser Diamètre max. Max. diameter	d	=	51 mm
Sockel Culot Base		=	0 35
Sockelschaltung Connexion du culot Base connection		=	S XVI

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


PHILIPS
MINIWATT
E 447
V_f = 4,0 V
V_{max} = 200V
$V_{g'}$ = 100V
V_g = -2-50 V
S_{max} = 3,5mA/V
12
Ia (mA)
10
8
6
4
2
V_a = 75-200V
$V_{g'}$ = 100 V
V_a = 50-200V
$V_{g'}$ = 75V
V_g (V)
-30
-25
-20
-15
-10
-5
0
5
10

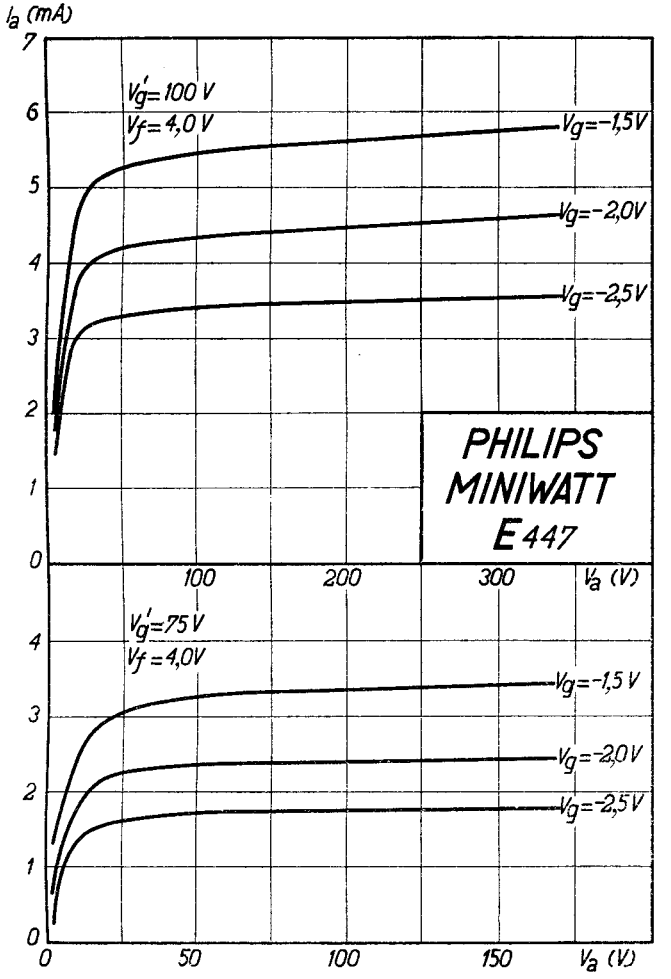
Heizspannung Tension de chauffage Filament voltage	V_f	=	4,0 V
Heizstrom Courant de chauffage Filament current	I_f	=	ca. env. 1,1 A appr.
Anodenspannung Tension anodique Anode voltage	V_a	=	200 V
Schirmgitterspannung Tension de grille-écran Screen-grid voltage	$V_{g'}$	=	100 V
Normaler Anodenstrom Courant anodique normal Normal anode current (Vg = -2 V)	I_a	=	ca. env. 4,5 mA appr.
Normaler Anodenstrom Courant anodique normal Normal anode current (Vg = -35 V)	I_a	=	ca. env. 0,01 mA appr.
Verstärkungsfaktor Coefficient d'amplification Amplification factor	$g(k)$	=	2000
Steilheit (max.) Inclinaison (max.) Slope (max.)	$S_{\text{max.}}$	=	3,5 mA/V
Steilheit Inclinaison Slope (Vg = -2 V)	S	=	2 mA/V
Steilheit Inclinaison Slope (Vg = -35 V)	S	=	0,005 mA/V
Innerer Widerstand (norm.) Résistance intérieure (norm.) Internal resistance (norm.) (Vg = -2 V)	R_i	=	1 M.Ohm
Innerer Widerstand (norm.) Résistance intérieure (norm.) Internal resistance (norm.) (Vg = -35 V)	R_i	>	10 M.Ohm
Anoden-Gitterkapazität Capacité grille-plaque Anode-grid capacity	C_{ag}	=	0,002 $\mu\mu$F
Max. Länge Longueur max. Overall length	l	=	138 mm
Grösster Durchmesser Diamètre max. Max. diameter	d	=	51 m
Sockel Culot Base		=	0 35
Sockelschaltung Connexion du culot Base connection		=	S XVI

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


PHILIPS
MINIWATT
E 447
V_f = 4,0 V
V_{max} = 200 V
V_g' = 100 V
V_g = 2-35 V
S_{max} = 3,5 mA/V
12
Ia (mA)
10
8
6
4
2
V_a = 75-200 V
V_g' = 100 V
V_a = 50-200 V
V_g' = 75 V
V_g (V)
-30
-25
-20
-15
-10
-5
0
5
10

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	= 1,5 W
Max. Kathodenstrom Courant cathodique max. Max. cathode current	I_c	= 10 mA
Max. Schirmgitterspannung Tension de grille-écran max. Max. screen-grid voltage	$V_{g'o}$ $V_{g'}$	= 400 V = 1,5 x Va max. 125 V
Max. Schirmgitterbelastung Dissipation de grille-écran max. Max. screen-grid dissipation	$W_{g'}$	= 0,3 W
Mittlerer Schirmgitterstrom Courant de grille-écran moyen Average screen-grid current	$I_{g'}$	= 1,9 mA
Ungefähre Grenzw. des Schirmgitterstr. Limites approxim. du cour. de gr. écran Approx. limits of screen-grid current	$I_{g'}$ min. $I_{g'}$ max.	= 1,3 mA = 2,5 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}	= 12,5 $\mu\mu$F = 10,2 $\mu\mu$F $\leq$ 0,006 $\mu\mu$F


I_a (mA)
V_g'= 100 V
V_f = 4,0 V
V_g = −1,5 V
V_g = −2,0 V
V_g = −2,5 V
PHILIPS
MINIWATT
E 447
V_a (V)
V_g' = 75 V
V_f = 4,0 V
V_g = −1,5 V
V_g = −2,0 V
V_g = −2,5 V
V_a (V)

E 447

PHILIPS „MINIWATT"

Max. Anodenspannung Tension anodique max. Max. anode voltage	V_{ao} V_{a_R} V_{a_L}	= 400 V = 250 V = 200 V
Max. Anodenbelastung Dissipation anodique max. Max. anode dissipation	W_a	= 1,5 W
Max. Kathodenstrom Courant cathodique max. Max. cathode current	I_c	= 10 mA
Max. Schirmgitterspannung Tension de grille-écran max. Max. screen-grid voltage	$V_{g'}$ $V_{g'}$	= 400 V = 1,5 x V_a max. 150 V
Max. Schirmgitterbelastung Dissipation de grille-écran max. Max. screen-grid dissipation	$W_{g'}$	= 0,3 W
Mittlerer Schirmgitterstrom Courant de grille-écran moyen Average screen-grid current	$I_{g'}$	= 1,8 mA
Ungefähre Grenzw. des Schirmgitterstr. Limites approxim. du cour. de gr.-écran Approx. limits of screen-grid current	$I_{g'}$ min. $I_{g'}$ max.	= 1 mA = 2,6 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}	= 12,5 $\mu\mu$F = 9,9 $\mu\mu$F = 0,002 $\mu\mu$F

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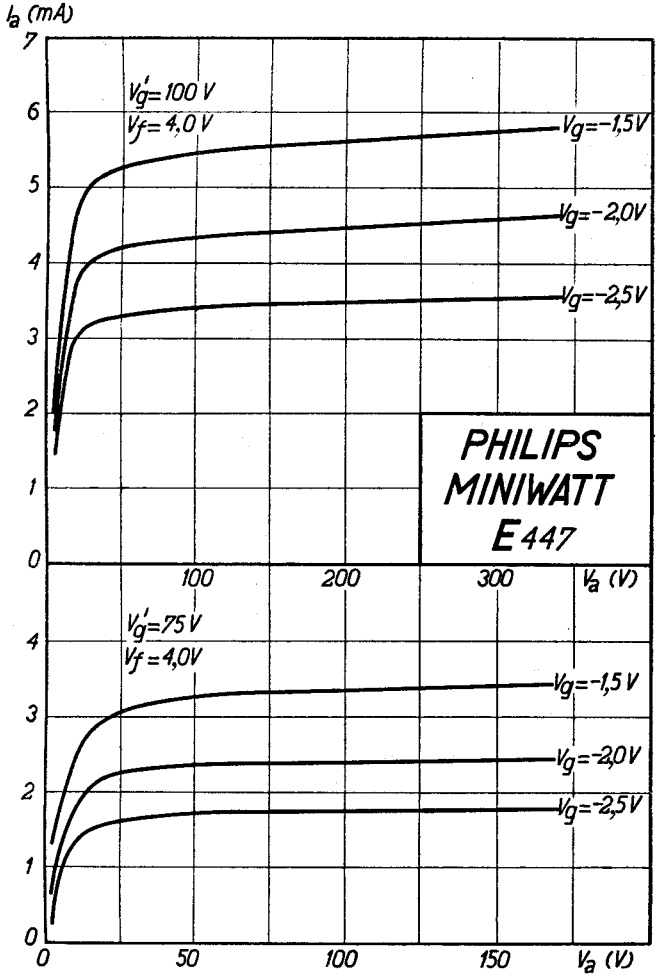
I_a (mA)
V_g'= 100 V
V_f = 4,0 V
V_g=−1,5V
V_g=−2,0V
V_g=−2,5V
PHILIPS
MINIWATT
E447
V_a (V)
V_g'=75 V
V_f = 4,0V
V_g=−1,5 V
V_g=−2,0V
V_g=−2,5V
V_a (V)