E 452T

PHILIPS „MINIWATT"

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	i_a	=	3 mA
Neg. Gittervorspannung Polarisation négative de grille Negative grid bias	v_g	=	2 V
Verstärkungsfaktor Coefficient d'amplification Amplification factor	$g(k)$	=	900
Steilheit (max.) Inclinaison (max.) Slope (max.)	$S_{\max.}$	=	3,0 mA/V
Steilheit (norm.) Inclinaison (norm.) Slope (norm.)	$S_{\text{norm.}}$	=	2,0 mA/V
Innerer Widerstand (norm.) Résistance intérieure (norm.) Internal resistance (norm.)	R_i	=	450000 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	=	50 mm
Sockel Culot Base		=	C 35
Sockelschaltung Connexion du culot Base connection		=	S X

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

Z.F.-Verstärkung
Amplification m.f.
I.F. amplification

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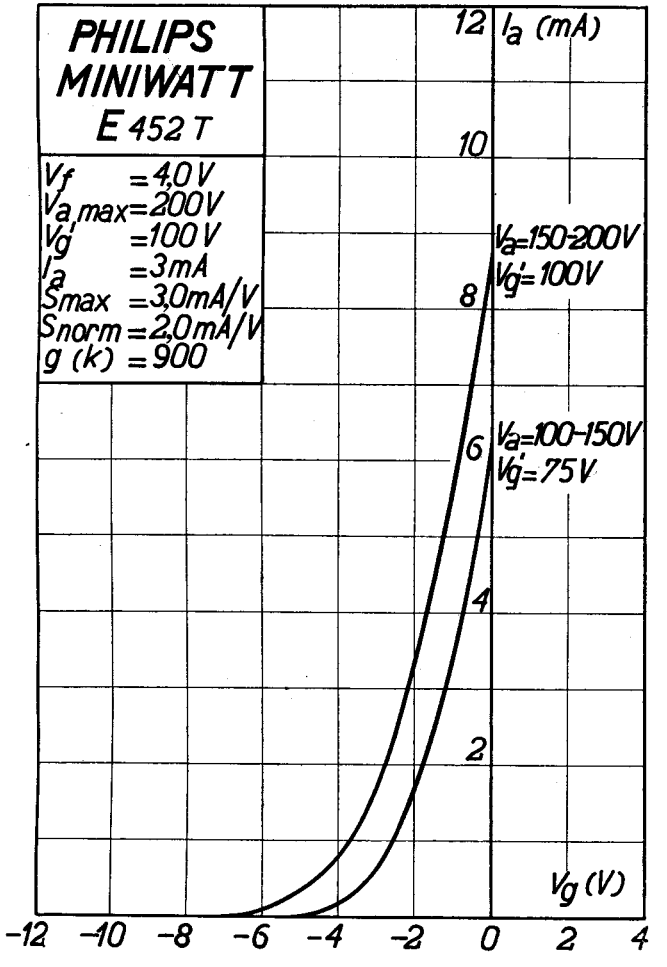

PHILIPS
MINIWATT
E 452 T
Vf = 4,0 V
Va,max = 200 V
Vg' = 100 V
Ia = 3 mA
Smax = 3,0 mA/V
Snorm = 2,0 mA/V
g (k) = 900
Ia (mA)
12
10
8
6
4
2
Va=150-200V
Vg'=100V
Va=100-150V
Vg'=75V
Vg (V)
-12
-10
-8
-6
-4
-2
0
2
4

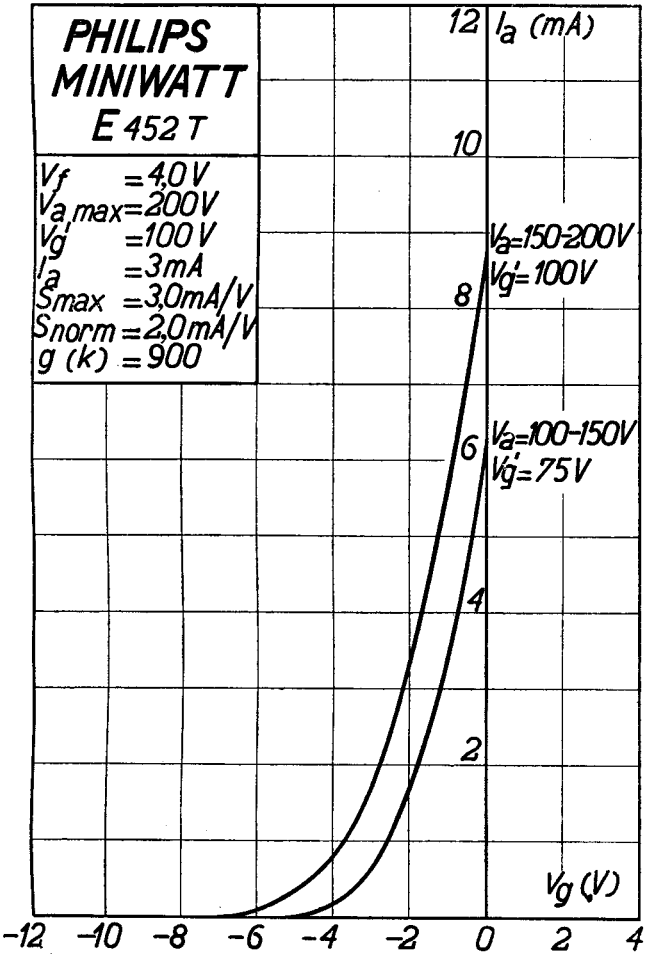
E 452T

PHILIPS „MINIWATT"

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	I_a	=	3 mA
Neg. Gittervorspannung Polarisation négative de grille Negative grid bias	V_g	=	ca. env. 2 V appr.
Verstärkungsfaktor Coefficient d'amplification Amplification factor	$g(k)$	=	900
Steilheit (max.) Inclinaison (max.) Slope (max.)	S_{max}	=	3,0 mA/V
Steilheit (norm.) Inclinaison (norm.) Slope (norm.)	S_{norm}	=	2,0 mA/V
Innerer Widerstand (norm.) Résistance intérieure (norm.) Internal resistance (norm.)	R_i	=	450000 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	=	50 mm
Sockel Culot Base		=	0 35
Sockelschaltung Connexion du culot Base connection		=	S*X

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

Z.F.-Verstärkung
Amplification m.f.
I.F. amplification


PHILIPS
MINIWATT
E 452 T
Vf = 4,0 V
Va max = 200 V
Vg' = 100 V
Ia = 3 mA
S max = 3,0 mA/V
S norm = 2,0 mA/V
g (k) = 900
12
Ia (mA)
10
8
6
4
2
Va=150-200V
Vg'=100V
Va=100-150V
Vg'=75V
Vg (V)
-12
-10
-8
-6
-4
-2
0
2
4

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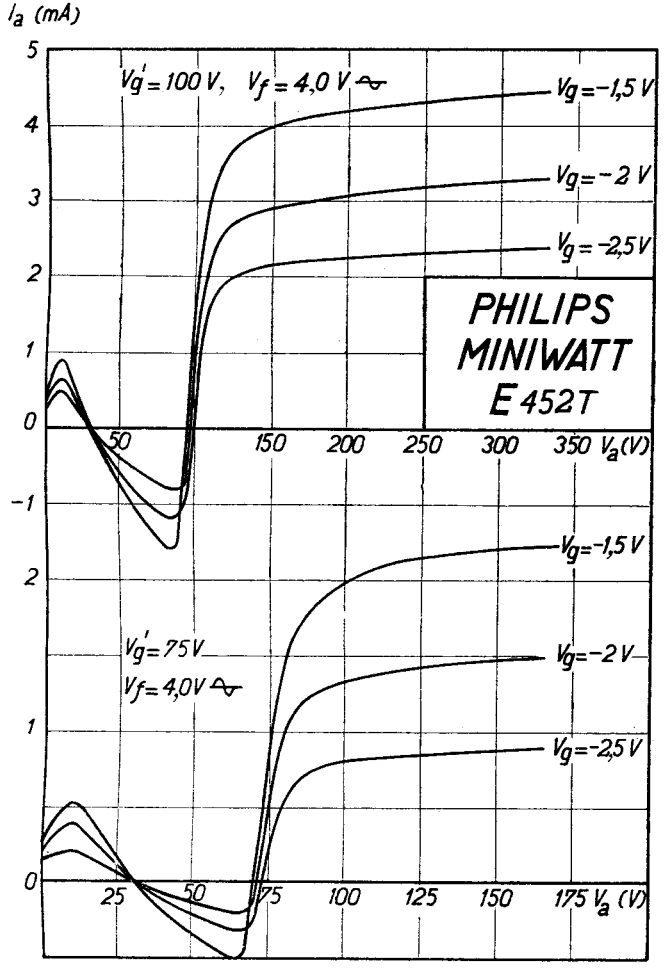
Max. Anodenspannung Tension anodique max. Max. anode voltage	V_{ao} V_{aR} V_{a_L}	= 400 V = 250 V = 200 V
Max. Anodenbelastung Dissipation anodique max. Max. anode dissipation	W_a	= 1,0 W
Max. Kathodenstrom Courant cathodique max. Max. cathode current	I_c	= 10 mA
Max. Schirmgitterspannung Tension de grille-écran max. Max. screen-grid voltage	V_{g^1o} V_{g^1}	= 300 V = V_a —50 V max. 150 V
Max. Schirmgitterbelastung Dissipation de grille-écran max. Max. screen-grid dissipation	W_{g^1}	= 0,25 W
Mittlerer Schirmgitterstrom Courant de grille-écran moyen Average screen-grid current	I_{g^1}	= 0,7 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 = 1,5 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} R_{g2}	= 1,5 M.Ohm = 1,0 M.Ohm
Max. Spann. zwischen Faden und Kath. Tension max. entre filament et cathode Max. voltage between filam. and cathode	V_{fc}	= 50 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}	= 12,4 $\mu\mu$F = 7,3 $\mu\mu$F = 0,003 $\mu\mu$F


I_a (mA)
$V_g' = 100$ V, $V_f = 4{,}0$ V
$V_g = -1{,}5$ V
$V_g = -2$ V
$V_g = -2{,}5$ V
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V_a (V)
$V_g' = 75$ V
$V_f = 4{,}0$ V
$V_g = -1{,}5$ V
$V_g = -2$ V
$V_g = -2{,}5$ V
V_a (V)