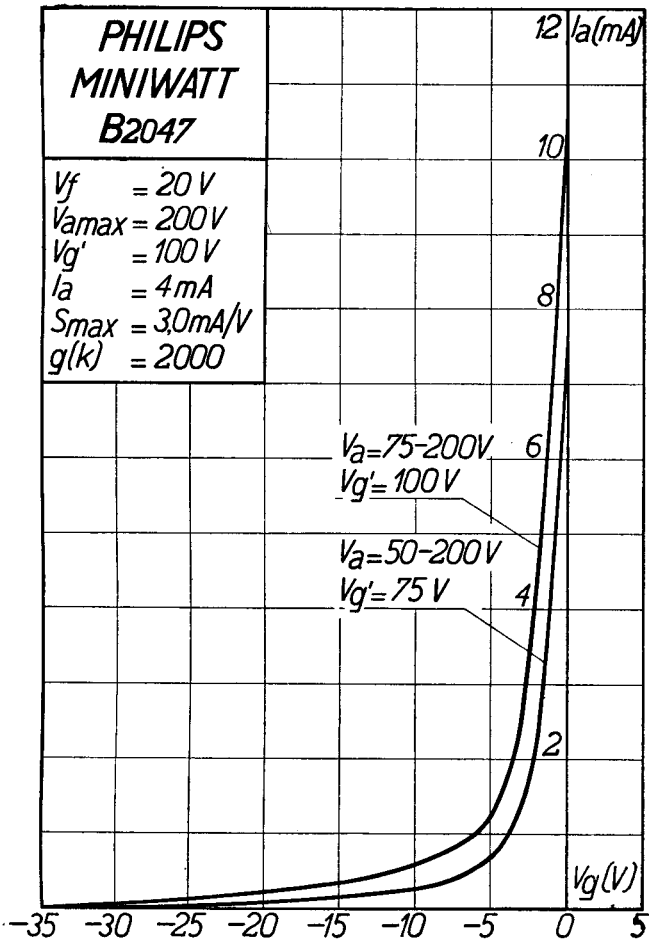
PHILIPS „MINIWATT" B 2047

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	$V_{g/}$	=	100 V
Normaler Anodenstrom Courant anodique normal Normal anode current (vg = ca. env. appr. -2 V)	I_a	=	4 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 mA/V
Steilheit Inclinaison Slope (vg = ca. env. appr. -2 V)	S	=	2 mA/V
Steilheit Inclinaison Slope (vg = ca. env. appr. -50 V)	S	$\leqq$	0,002 mA/V
Innerer Widerstand (norm.) Résistance intérieure (norm.) Internal resistance (norm.) (vg = ca. env. appr. -2 V)	R_i	=	1,1 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		=	O 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

12/7'34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Vf = 20 V
Vamax = 200 V
Vg' = 100 V
Ia = 4 mA
Smax = 3,0 mA/V
g(k) = 2000
Va=75-200V
Vg'=100V
Va=50-200V
Vg'=75 V
Ia(mA)
12
10
8
6
4
2
Vg(V)
-35
-30
-25
-20
-15
-10
-5
0
5

B 2047

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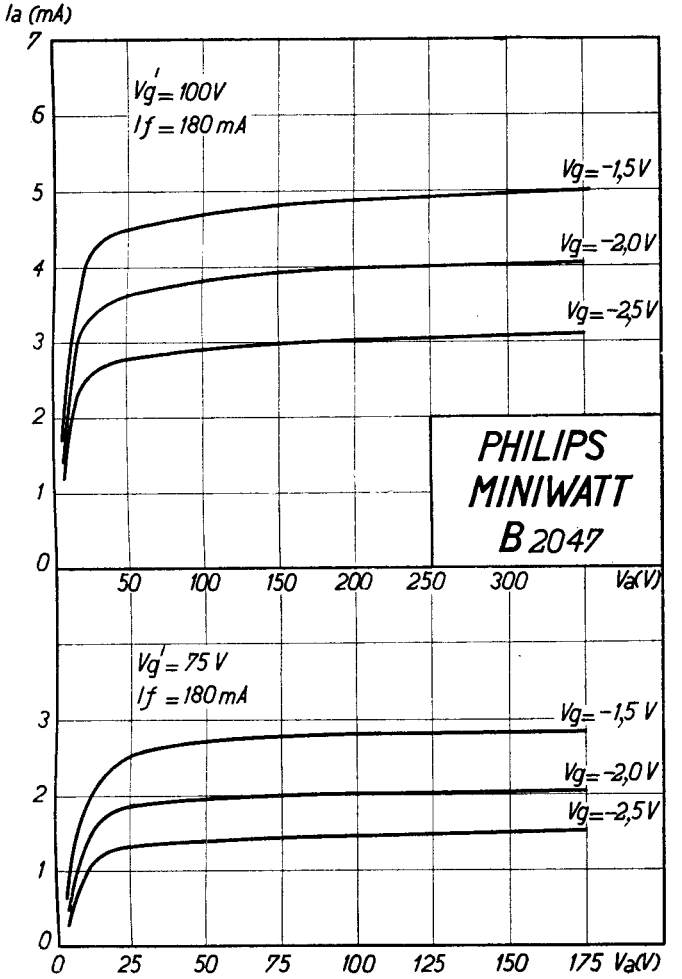
Max. Anodenspannung Tension anodique max. Max. anode voltage	V_{ao} V_{aR} V_{aL}	= 250 V = 250 V = 200 V
Max. Anodenbelastung Dissipation anodique max. Max. anode dissipation	W_a	= 1,5 W
Max. Kathodenstrom Courant cathodique max. Max. cathode current	I_c	= 10 mA
Max. Schirmgitterspannung Tension de grille-écran max. Max. screen-grid voltage	$V_{g'o}$ $V_{g'}$	= 250 V = 1,5 Va max. 200 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	$I_{g'}$	= 1,7 mA
Ungefähre Grenzw. des Schirmgitterstr. Limites approxim. du cour. de gr. écran Approx. limits of screen-grid current	$I_{g'}$ min $I_{g'}$ max.	= 1,2 mA = 2,3 mA
Gitterstrom-Einsatzpunkt Point de commenc. du cour. de grille Starting point of grid circuit	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}	= 100 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


Ia (mA)
7
6
5
4
3
2
1
0
Vg' = 100V
If = 180 mA
Vg = -1,5 V
Vg = -2,0 V
Vg = -2,5 V
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50
100
150
200
250
300
Va(V)
Vg' = 75 V
If = 180 mA
3
2
1
0
Vg = -1,5 V
Vg = -2,0 V
Vg = -2,5 V
0
25
50
75
100
125
150
175 Va(V)