

PHILIPS „MINIWATT” EF11

EF11

Heizung ind., Gleich- oder Wechselstrom,
Parallel- oder Serienspeisung.
Chauffage ind., courant continu ou alterna-
tif, alimentation en parallèle ou en série.
Heating ind., A.C. or D.C., parallel or
series filament supply.

Vf 6,3 V
If 0,200 A

Kapazitäten
Capacités
Capacities

Cag1 <0,002 μ F
Cgl 5,8 μ F
Ca 6,5 μ F

Betriebsdaten als H.F. - oder Z.F. Verstärker.
Caractéristiques de service comme amplificatrice H.F.
ou M.F.
Operating conditions for use as H.F. or I.F. amplifier.

Va		250 V	
Rg2		75000 Ω	
Rk		250 Ω	
Vg1	-2 V ¹⁾	-45 V ²⁾	-53 V ³⁾
Vg2	100 V	-	→ 250 V
Ia	6 mA	-	-
Ig2	2,0 mA	-	-
S	2200 μ A/V	22 μ A/V	4,4 μ A/V
Ri	2 M Ω	>10 M Ω	>10 M Ω

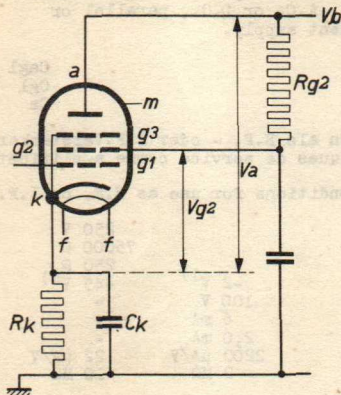
Va		200 V	
Rg2		50000 Ω	
Rk		250 Ω	
Vg1	-2 V ¹⁾	-36 V ²⁾	-42 V ³⁾
Vg2	100 V	-	→ 200 V
Ia	6 mA	-	-
Ig2	2,0 mA	-	-
S	2200 μ A/V	22 μ A/V	5,5 μ A/V
Ri	1,5 M Ω	>10 M Ω	>10 M Ω

Va		100 V	
Vg2		100 V	
Rk		250 Ω	
Vg1	-2 V ¹⁾	-17 V ²⁾	-21 V ³⁾
Ia	6 mA	-	-
Ig2	2,0 mA	-	-
S	2200 μ A/V	22 μ A/V	7,4 μ A/V
Ri	0,45 M Ω	>10 M Ω	>10 M Ω

- 1) Im unregulierten Zustand.
Tube non réglé par le C.A.V.
Tube not regulated by A.V.C.
- 2) für eine Regelung der Steilheit 1:100.
Pour le réglage de la pente de 1:100.
For a regulation of the conductance of 1:100.
- 3) Grenze des optimalen Regelbereiches.
Limite de la plage de réglage optimum.
Limit of the optimum regulation range.

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Grenzdaten.

Limites fixées pour les caractéristiques.
Limiting values.

Vao	max. 550 V
Va	max. 300 V
Wa	max. 2 W
Vg2o	max. 550 V
Vg2 (Ia = 6 mA)	max. 125 V
Vg2 (Ia < 3 mA)	max. 300 V
Ig2 (Vg2 = 100 V, Ia = 6 mA)	max. 2,6 mA
Ig2 (Vg2 = 100 V, Ia = 6 mA)	min. 1,4 mA
Wg2	max. 0,3 W
Ik	max. 10 mA
Vg1 (Igl = +0,3 µA)	max. -1,3 V
Rglk	max. 3 MΩ
Rfk	max. 20000 Ω
Vfk	max. 100 V ¹⁾

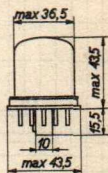
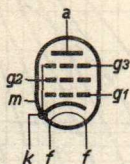
- 1) Gleichspannung oder Effektivwert der Wechselspannung.
Tension continue ou valeur efficace de la tension
alternative.
D.C.voltage or R.M.S. value of the A.C. voltage.

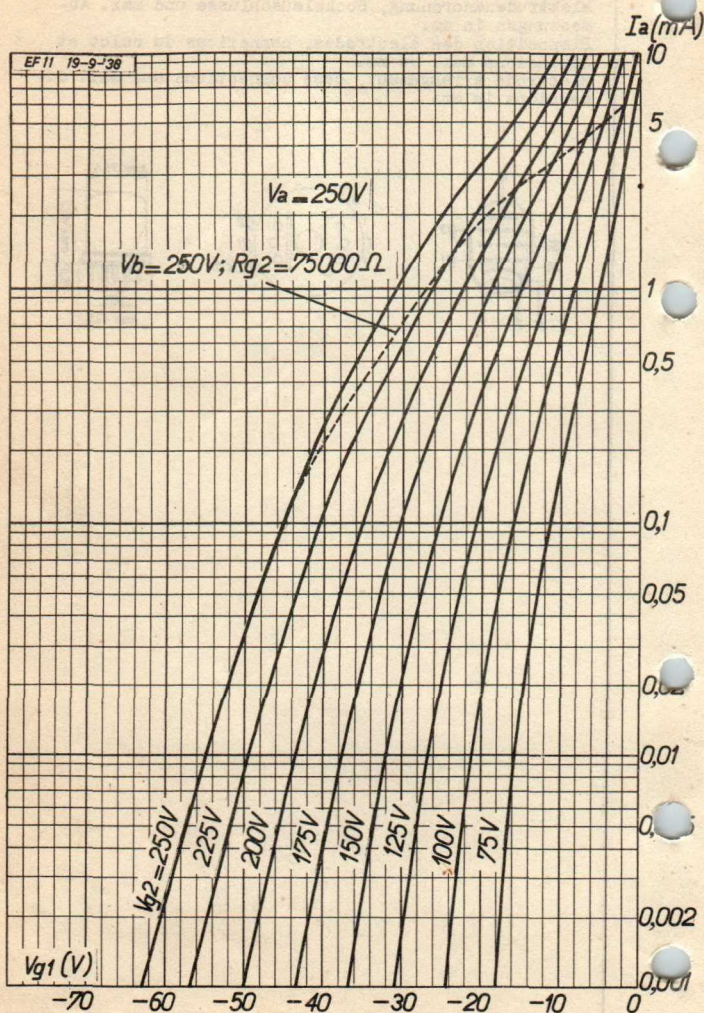
Vorläufige Daten.
Caractéristiques
provisoires.
Tentative data.

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Elektrodenanordnung, Sockelanschlüsse und max. Abmessungen in mm.
Disposition des électrodes, connexions du culot et dimensions max. en mm.
Electrode arrangement, base connections and max. dimensions in mm.

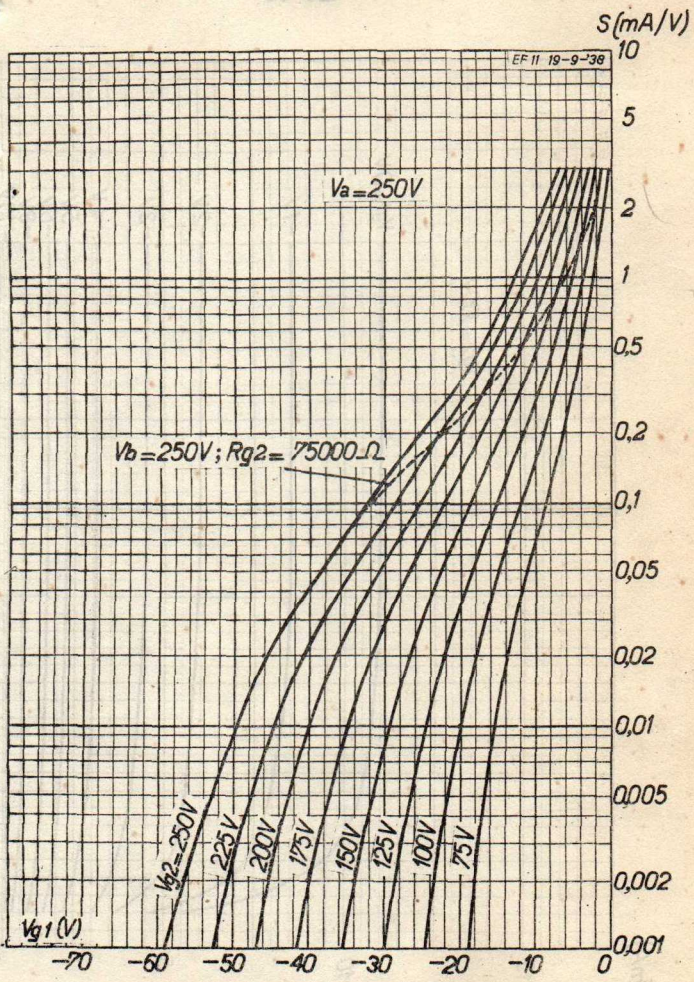


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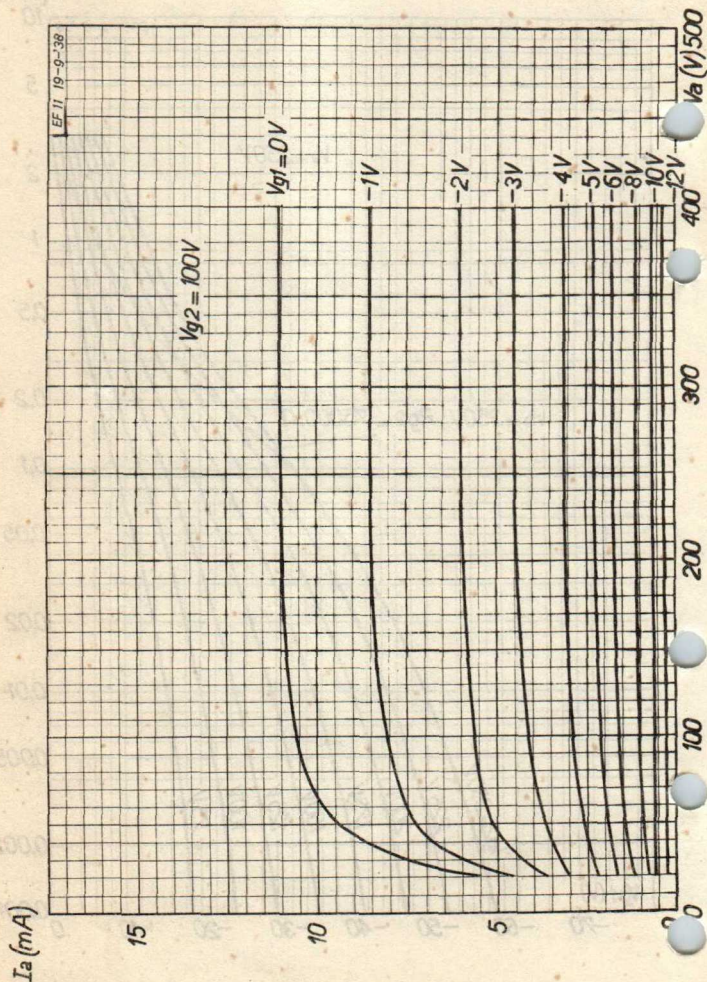
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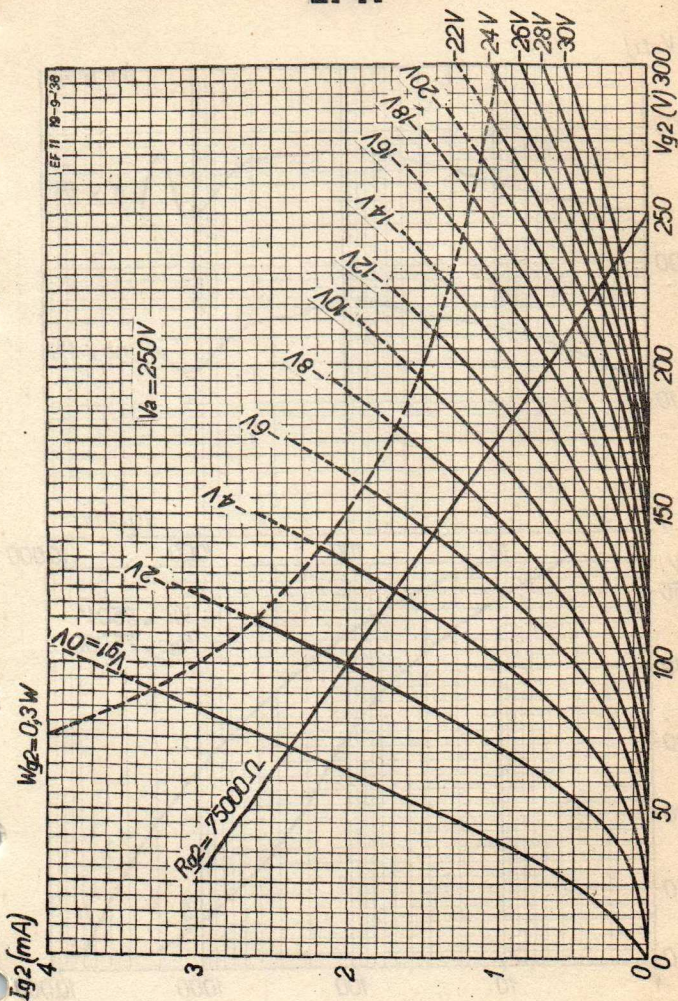
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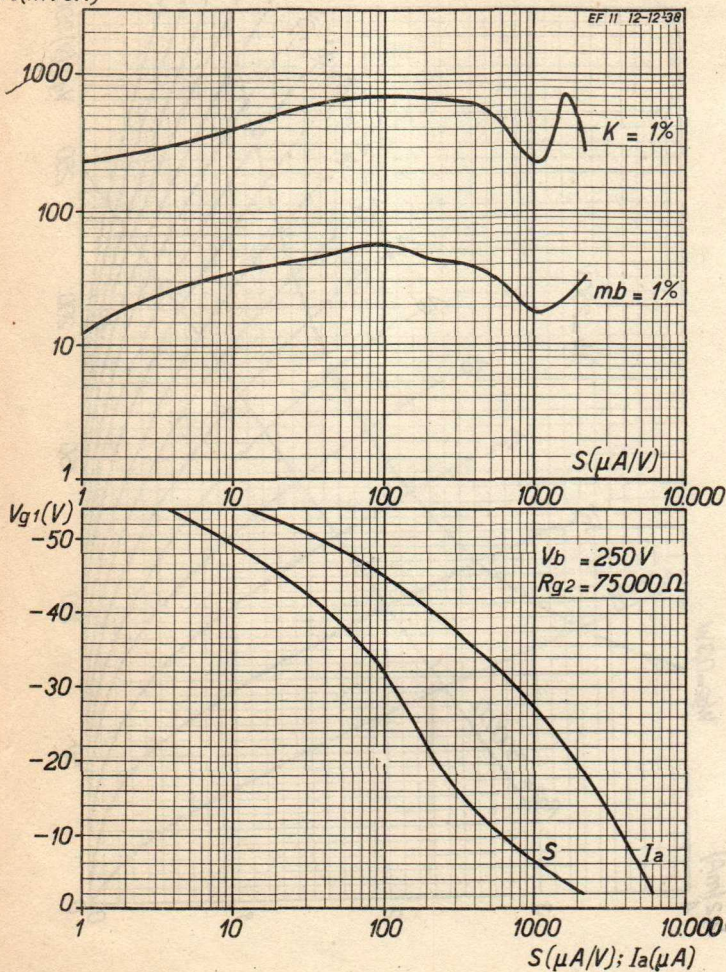


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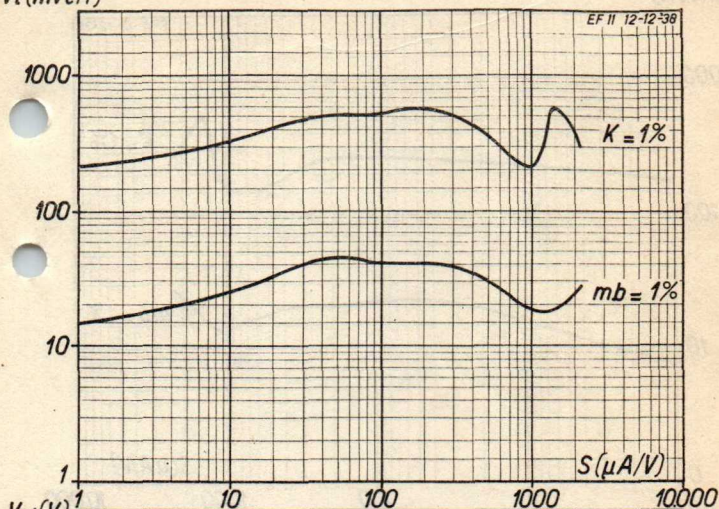
EF11**PHILIPS „MINIWATT“****EF11** $V_i (\text{mV}_{\text{eff}})$ 

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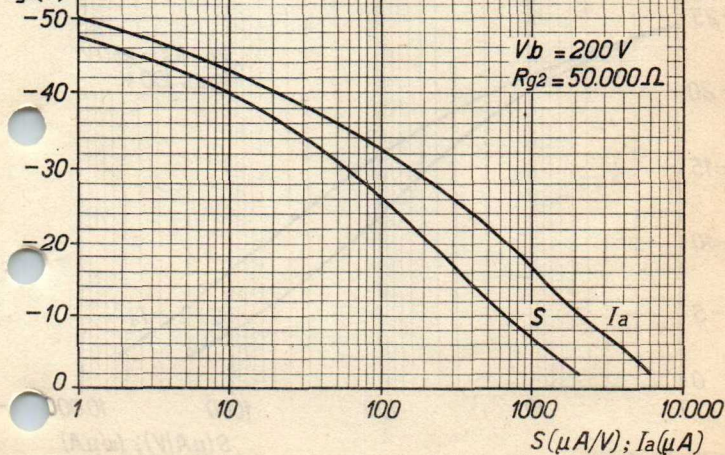
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$V_i (mV_{eff})$



$V_{g1}(V)$



EF11**PHILIPS „MINIWATT“****EF11** $V_i(\text{mVeff})$

EF11 12-12'38

1000

100

10

0

 $S(\mu\text{A/V})$ $V_{g1}(\text{V})$

-25

-20

-15

-10

-5

0

1

10

100

1000

10.000

 $V_b = 100 - 250 \text{ V}$
 $V_{g2} = 100 \text{ V}$ S I_a $S(\mu\text{A/V}); I_a(\mu\text{A})$ 