

Netzröhre für GW-Heizung
indirekt geheizt
Serien- oder Parallelspeisung
DC-AC-Heating
indirectly heated
connected in parallel or series

TELEFUNKEN

EH 90

Doppelsteuer-Heptode

**Dual control
pentagrid tube**

U_f **6,3** V
 I_f **300** mA

Meß- und Betriebswerte • Measuring Values and Typical Operation

U_a	10	100	100	V
U_{g2g4}	30	30	30	V
U_{g1}	0	0	-1	V
U_{g3}	0	-1	0	V
I_a	1,2	0,8	0,75	mA
I_{g2+g4}	4,1	4	1,1	mA
S_{ag1}			0,95	mA/V
S_{ag3}		1,25		mA/V
R_i		0,7	1	MΩ
$U_{g1} (I_a = 50 \mu A)$			-2,5	V
$U_{g3} (I_a = 50 \mu A)$		-2,2		V

Grenzwerte • Maximum Ratings

U_{ao}	550	V
U_a	300	V
N_a	1	W
U_{g2g4o}	550	V
U_{bg2g4}	300	V
U_{g2g4}	100	V
N_{g2+g4}	1	W
I_k	14	mA
R_{g1}	0,47	MΩ
$R_{g3}^{1)}$	2,2	MΩ
$U_{fk} \text{ k pos}$	200	V
$U_{fk} \text{ k neg}^{2)}$	200	V

Kapazitäten • Capacitances

$C_e (g1)$	5,5	pF
$C_e (g3)$	7	pF
C_a	7,5	pF
C_{ag1}	< 0,07	pF
C_{ag3}	< 0,36	pF
C_{g1g3}	< 0,22	pF

¹⁾ $R_{g3} = \text{max. } 5 \text{ M}\Omega \text{ bei } U_{g2g4} \leq 30 \text{ V}$

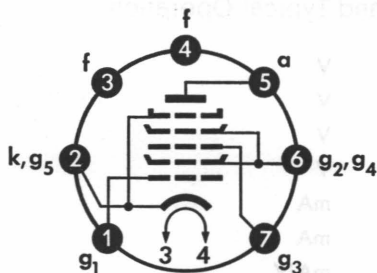
²⁾ Gleichspannungsanteil • DC-component • max. 100 V



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TELEFUNKEN

Sockelschaltbild
Base connection



Pico 7 · Miniatur

max. Abmessungen
max. Dimensions

DIN 41537, Nenngröße 38, Form A

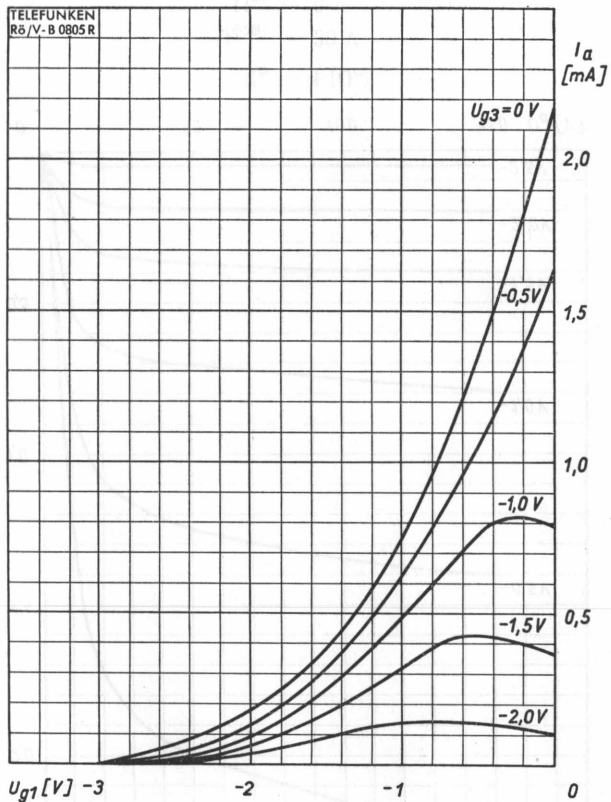


Gewicht · Weight
max. 10 g

Wenn notwendig, muß gegen Herausfallen der Röhre aus der Fassung Vorsorge getroffen werden.

Special precaution must be taken to prevent the tube from becoming dislodges.



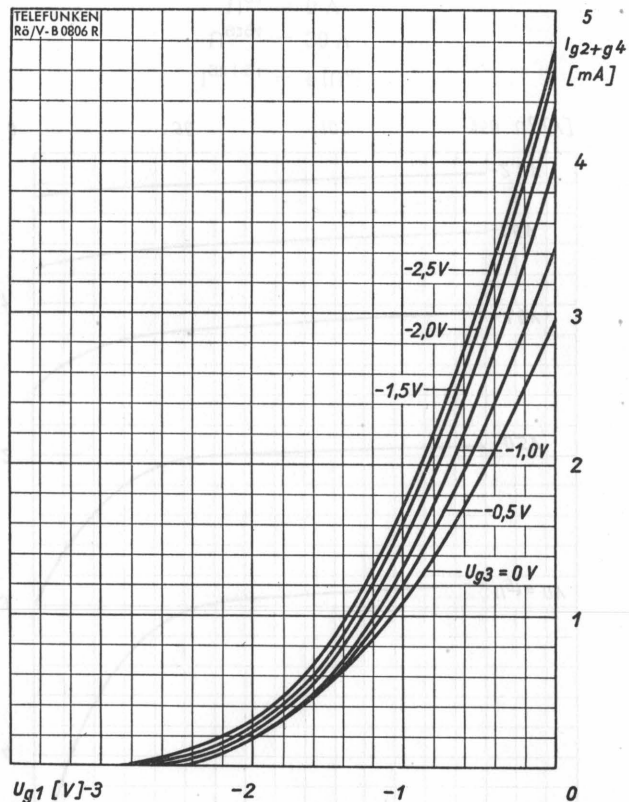


$$I_a = f(U_{g1})$$

$$U_a = 100 \text{ V}$$

$$U_{g2g4} = 30 \text{ V}$$

$$U_{g3} = \text{Parameter}$$



$$I_{g2+g4} = f(U_{g1})$$

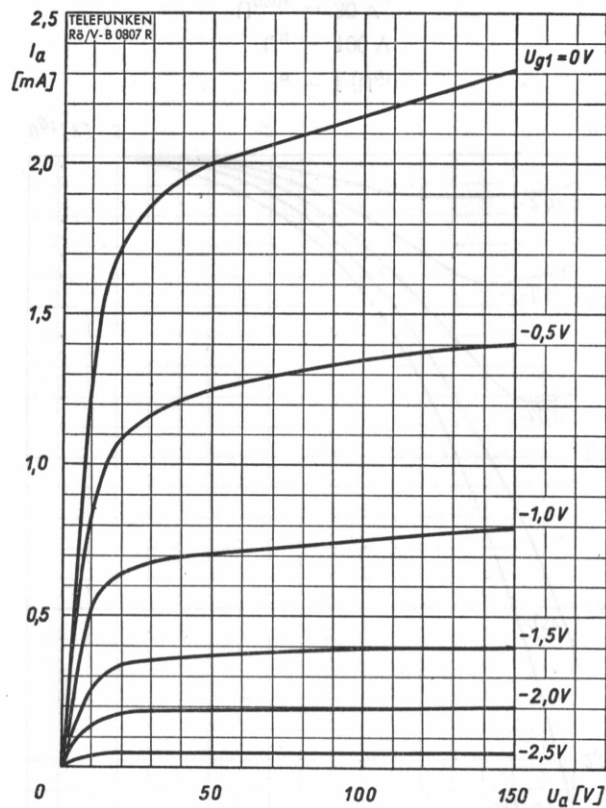
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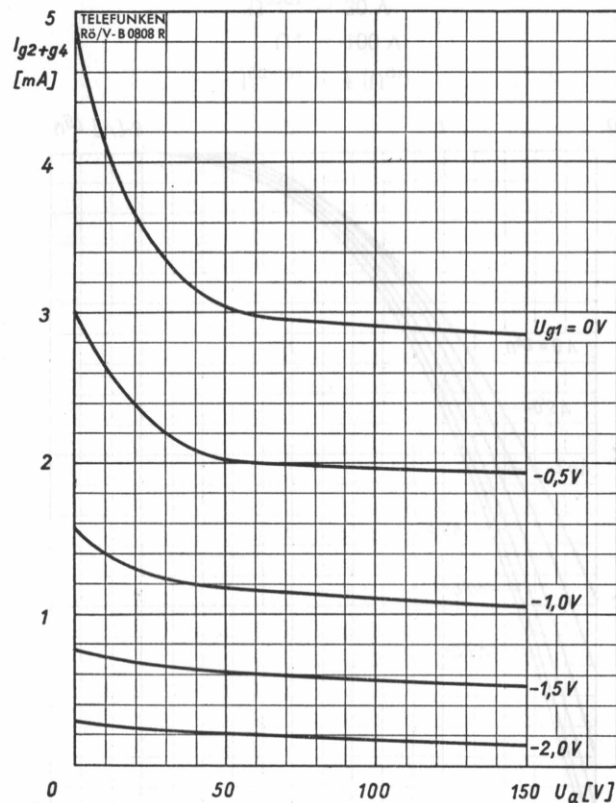


$$I_a = f(U_a)$$

$$U_{g2g4} = 30V$$

$$U_{g3} = 0V$$

$$U_{g1} = \text{Parameter}$$



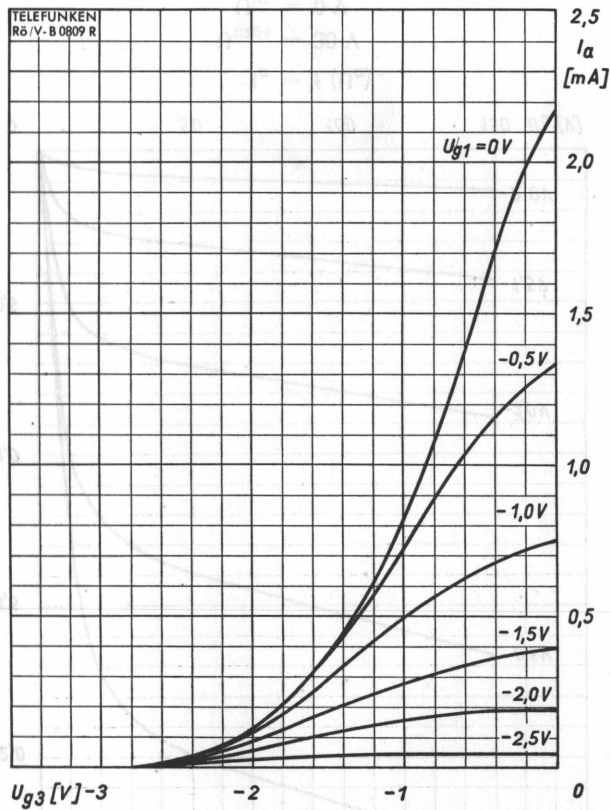
$$I_{g2+g4} = f(U_a)$$

$$U_{g2g4} = 30V$$

$$U_{g3} = 0V$$

$$U_{g1} = \text{Parameter}$$



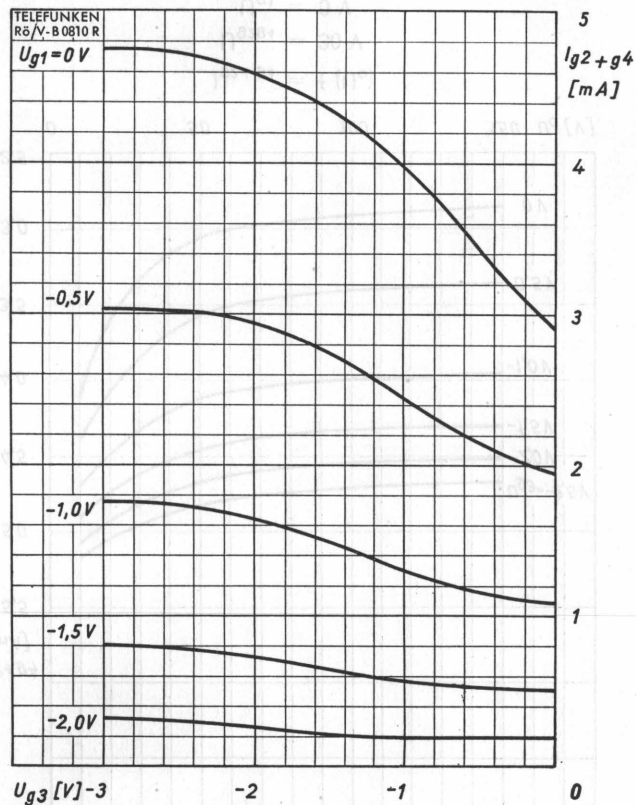


$$I_a = f(U_{g3})$$

$$U_a = 100 \text{ V}$$

$$U_{g2g4} = 30 \text{ V}$$

$$U_{g1} = \text{Parameter}$$



$$I_{g2+g4} = f(U_{g3})$$

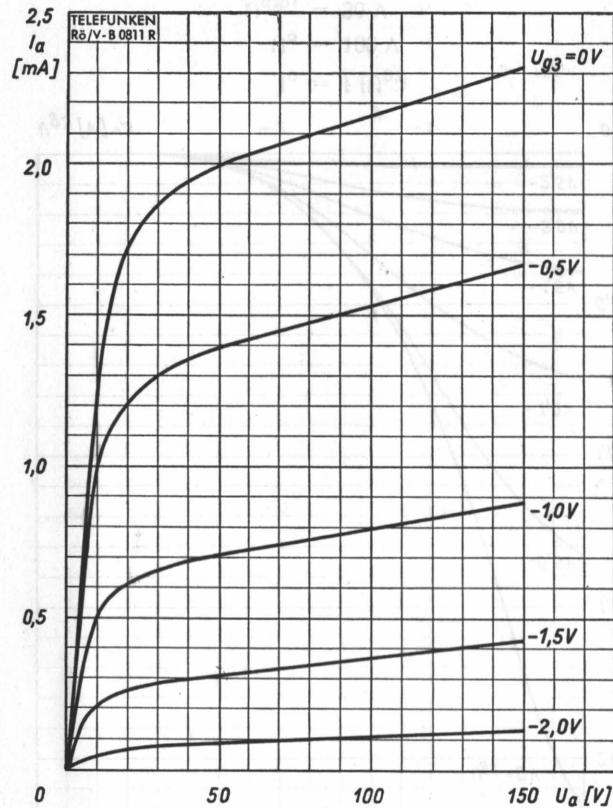
$$U_a = 100 \text{ V}$$

$$U_{g2g4} = 30 \text{ V}$$

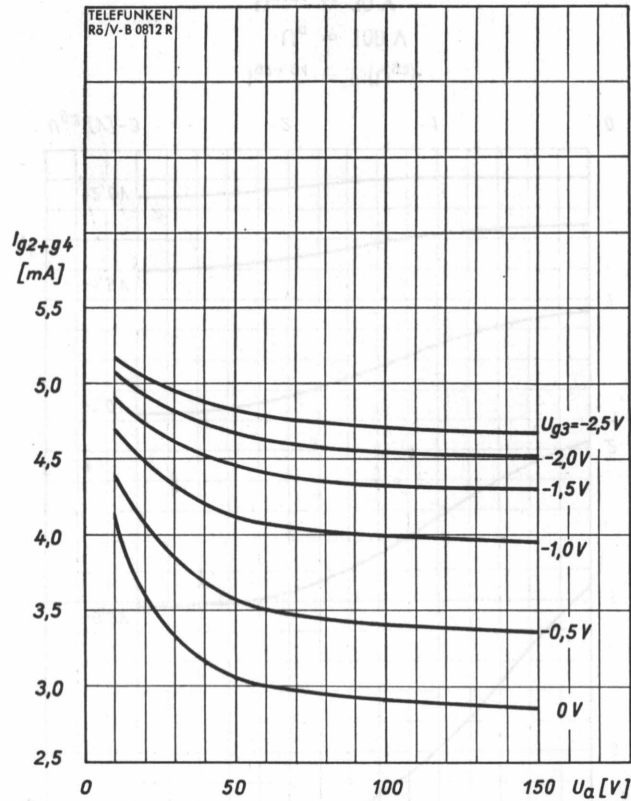
$$U_{g1} = \text{Parameter}$$

TELEFUNKEN

EH 90



$$I_a = f(U_a)$$
$$U_{g2g4} = 30 \text{ V}$$
$$U_{g1} = 0 \text{ V}$$
$$U_{g3} = \text{Parameter}$$



$$I_{g2+g4} = f(U_a)$$
$$U_{g2g4} = 30 \text{ V}$$
$$U_{g1} = 0 \text{ V}$$
$$U_{g3} = \text{Parameter}$$