

Netzröhre für GW-Heizung  
indirekt geheizt  
Serienspeisung

DC-AC-Heating  
indirectly heated  
connected in series

# TELEFUNKEN

**PF 86**

**Pentode**

**Vorläufige technische Daten** · Tentative data

$I_f$             **300**      mA  
 $U_f$             ca. 4,5      V

**Normierte Anheizzeit** · Normalize heating-up time

**Meßwerte** · Measuring values

$U_a$	<b>250</b>	V
$U_{g3}$	0	V
$U_{g2}$	140	V
$U_{g1}$	-2	V
$I_a$	<b>3</b>	mA
$I_{g2}$	0,6	mA
S	2	mA/V
$R_i$	2,5	M $\Omega$
$\mu_{g2g1}$	38	
$U_{g3}$	max. -30	V

bei  $U_a = 100$  V  
 $U_{g2} = 35$  V  
 $U_{g1} = 0$  V  
 $I_a = 10$   $\mu$ A

**Grenzwerte** · Maximum ratings

$U_{a0}$	<b>550</b>	V
$U_a$	<b>300</b>	V
$N_a$	<b>1</b>	W
$U_{g20}$	<b>550</b>	V
$U_{g2}$	<b>200</b>	V
$N_{g2}$	<b>0,2</b>	W
$I_k$	<b>4</b>	mA
$I_{ksp}^1)$	<b>25</b>	mA
$R_{g1}$ ( $N_a < 0,2$ W)	<b>10</b>	M $\Omega$
$R_{g1}$ ( $N_a > 0,2$ W)	<b>3</b>	M $\Omega$
$R_{g3}$	<b>0,1</b>	M $\Omega$
$U_{fk}$	<b>100</b>	V
$R_{fk}$	<b>20</b>	k $\Omega$

<sup>1)</sup> Impulsdauer max. 4% einer Periode, max. 0,8 ms.

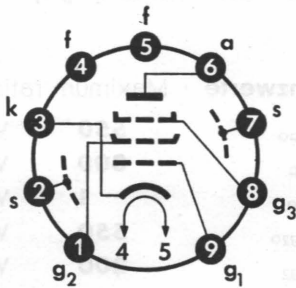
Pulse duration max. 4% per period, max. 0.8 ms.

**Kapazitäten** · Capacitances

$c_e$	3,5	pF
$c_a$	5,0	pF
$c_{a/g1}$	< 0,05	pF
$c_{g1/f}$	< 0,003	pF



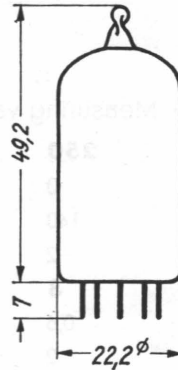
Sockelschaltbild  
Base connection



Pico 9 · Noval

max. Abmessungen  
max. dimensions

DIN 41539, Nenngröße 40, Form A

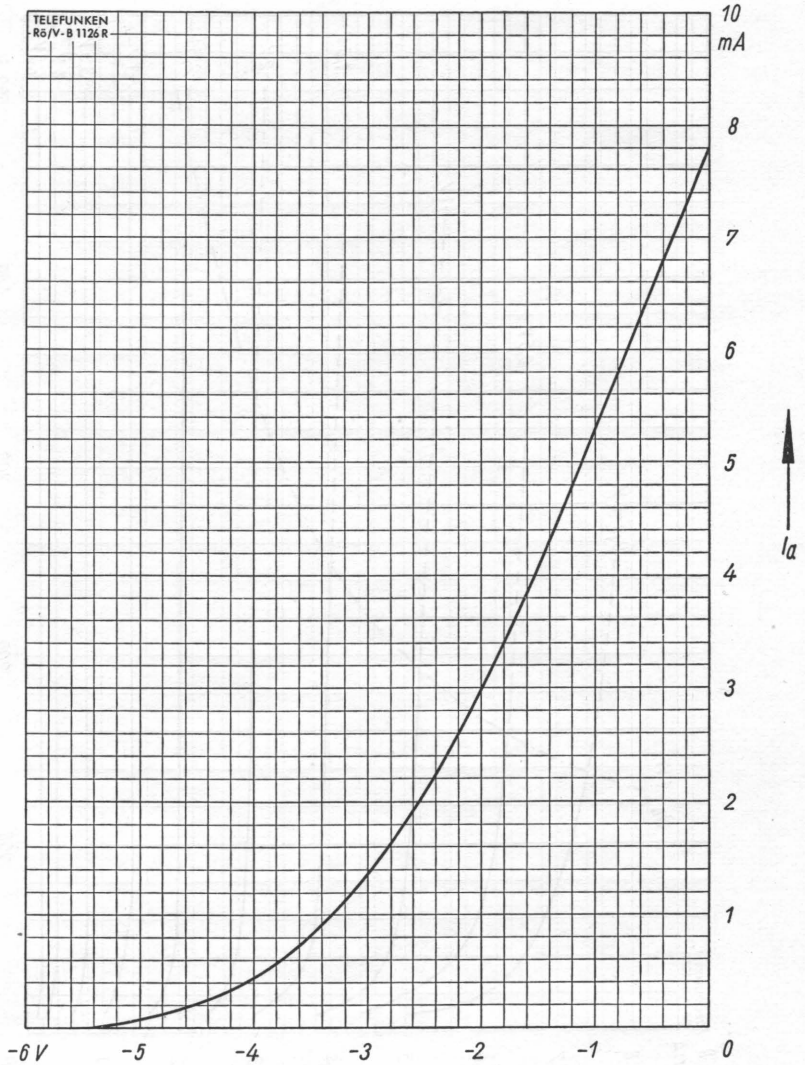


Gewicht · Weight  
max. 14 g

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

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





$U_{g1}$  →

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

$$U_a = 250 \text{ V}$$

$$U_{g2} = 140 \text{ V}$$

$$U_{g3} = 0 \text{ V}$$





$I_a = f(U_a)$   
 $U_{gs} = 0 V$   
 $U_{g2} = 140 V$   
 $U_{g1} = \text{Parameter}$

