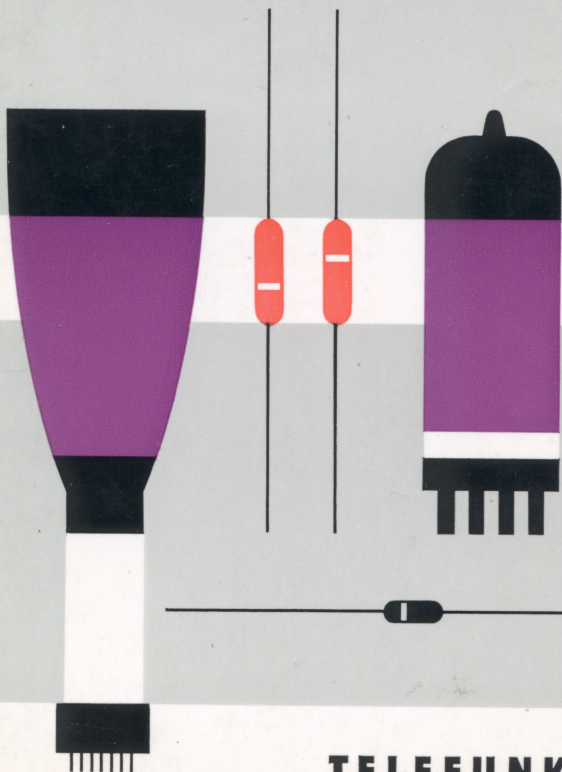


Technische Daten 1966 Spezial-Röhren



TELEFUNKEN

EL 8000

Leistungs-
pentode

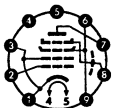
Power pentode

Pico 9
Noval

Größe 12
Outlines 12

Stift · Pin

- 1 k, g_{sch}
- 2 g_1
- 3 k, g_{sch}
- 4 f
- 5 f
- 6 g_2
- 7 a
- 8 g_3 , s
- 9 g_2



$U_f = 6,3 \text{ V}$
 $I_f \text{ ca. } 550 \text{ mA}$

indirekt geheizt
indir. heated

$U_{ba} = 250 \text{ V}$
 $U_{bg2} = 250 \text{ V}$
 $U_{bg1} = +10 \text{ V}$
 $R_k = 230 \Omega$
 $I_a = 48 \text{ mA}$
 $I_{g2} = 2,5 \text{ mA}$
 $S = 50 \text{ mA/V}$
 $\mu_{g2/g1} \text{ ca. } 80$
 $R_i \text{ ca. } 30 \text{ k}\Omega$

Breitbandqualität · Wide band quality

$$f_o = \frac{S}{2\pi \cdot (c_i + \Delta c_{g1} + c_o + C_{schalt})} = 240 \text{ MHz}$$

mit $S = 60 \text{ mA/V}$

$\Delta c_{g1} = 10 \text{ pF}$

$C_{schalt} = 5 \text{ pF}$

Kapazitäten · Capacitances

$c_e \text{ ca. } 20 \text{ pF}$
 $c_a = 4,8 \text{ pF}$
 $c_{g1/a} \text{ ca. } 0,05 (< 0,07) \text{ pF}$
 $c_{a/k} = 0,1 \text{ pF}$

Nennwert-Grenzdaten

Design centre ratings

$U_{ao} = 550 \text{ V}$
 $U_a = 400 \text{ V}$
 $N_a = 12 \text{ W}$
 $U_{g2o} = 550 \text{ V}$
 $U_{g2} = 400 \text{ V}$
 $N_{g2} = 1 \text{ W}$
 $N_{g1} = 0,03 \text{ W}$
 $-U_{g1} = 30 \text{ V}$
 $+U_{g1} = 1 \text{ V}$
 $I_k = 100 \text{ mA}$
 $I_{ksp}^{1)} = 300 \text{ mA}$
 $R_{g1}^{2)} = 220 \text{ k}\Omega$
 $U_{f/k} = \pm 300 \text{ V}$
 $t_{Kolben} = 220 \text{ }^\circ\text{C}$

¹⁾ max. 1 ms

²⁾ U_{g1} mittels R_k
 U_{g1} by R_k