



SIEMENS

Taschenbuch 1968/69

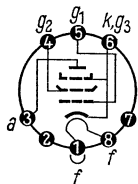
The background of the cover features a complex, stylized blue circuit board pattern on a light gray background. The pattern consists of various geometric shapes, lines, and squares, resembling a printed circuit board (PCB) layout.

**Röhren
Halbleiter
Bauelemente
Relais
Gleichrichter
Mechanisch-
elektrische
Bauteile**

Endpentode

Power Pentode

Allgemeine Daten General Data	Kenn- und Betriebsdaten Characteristics and Typical Operation	Grenzdaten Maximum Ratings
Heizung Heating $U_f = 6,3 \text{ V}$ $I_f = 1,2 \text{ A}$ indirekt indirect Kapazität Capacitances $C_{ag_1} < 0,7 \text{ pF}$	Betriebsdaten Typical Operation Eintakt A Class A $U_a = 250 \text{ V}$ $R_a = 3,5 \text{ k}\Omega$ $U_{g_2} = 250 \text{ V}$ $U_{g_1} = -7 \text{ V}$ $R_k = 90 \Omega$ $I_a = 72 \text{ mA}$ $I_{g_1} = 8 \text{ mA}$ $S = 15 \text{ mA/V}$ $R_t = 30 \text{ k}\Omega$ $\mu_{g_1} = 18$ $N_{\sim} (k = 10 \%) = 8 \text{ W}$ $U_{g_1\sim} (k = 10 \%) = 4,5 \text{ V}_{\text{eff}}$ $U_{g_1\sim} (N_{\sim} = 50 \text{ mW}) = 0,3 \text{ V}_{\text{eff}}$ Gegentakt AB Push-Pull, Class AB	$U_a \text{ kalt} = 550 \text{ V}$ $U_a = 250 \text{ V}$ $U_{a_2} \text{ kalt} = 550 \text{ V}$ $U_{g_2} = 275 \text{ V}$ $R_{g_1} = 1 \text{ M}\Omega$ $Q_a = 18 \text{ W}$ $Q_{g_2} (U_{g_1\sim} = 0) = 2,5 \text{ W}$ $Q_{g_2} (N_{\sim} = \text{max}) = 5 \text{ W}$ $I_k = 90 \text{ mA}$ $R_{fk} = 5 \text{ k}\Omega$ $U_{fk} = 50 \text{ V}$ EL 12/375 $U_a \text{ kalt} = 650 \text{ V}$ $U_a = 375 \text{ V}$ $U_{g_1} \text{ kalt} = 650 \text{ V}$ $U_{g_1} = 375 \text{ V}$



Y 8 A

Kolben Nr. 38

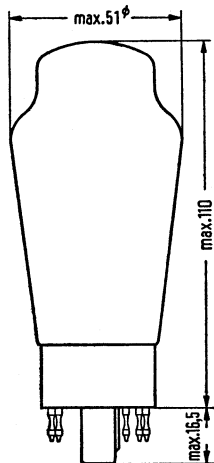
Bulb No. 38

$U_a = 250 \text{ V}$	
$R_{aa} = 5 \text{ k}\Omega$	
$U_{g_2} = 250 \text{ V}$	
$R_k = 90 \Omega^*$	
$U_{g_1\sim} = 0 \text{ } 7,3 \text{ V}_{\text{eff}}$	
$I_a = 2 \times 45 \text{ } 2 \times 53 \text{ mA}$	
$I_{g_2} = 2 \times 5,1 \text{ } 2 \times 8,5 \text{ mA}$	
$N_{\sim} = 14,5 \text{ W}$	
$k = 2,2 \%$	
EL 12/375	
$U_a = 350 \text{ V}$	
$R_{aa} = 5 \text{ k}\Omega$	
$U_{g_2} = 350 \text{ V}$	
$R_k = 2 \times 250 \Omega$	
$U_{g_1\sim} = 0 \text{ } 21 \text{ V}_{\text{eff}}$	
$I_a = 2 \times 49 \text{ } 2 \times 54 \text{ mA}$	
$I_{g_2} = 2 \times 6,5 \text{ } 2 \times 10,5 \text{ mA}$	
$N_{\sim} = 35 \text{ W}^*$	
$k = 5,4 \%$	
$U_{g_1\sim} (N_{\sim} = 50 \text{ mW}) = 0,5 \text{ V}_{\text{eff}}$	

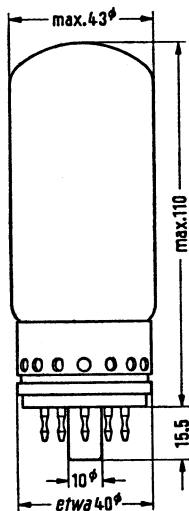
* für beide Röhren gemeinsam
for both tubes

$Q_a = 18 \text{ W}$
$Q_{g_2} (U_{g_1\sim} = 0) = 2,5 \text{ W}$
$Q_{g_2} (N_{\sim \text{max}}) = 5 \text{ W}$
$I_k = 90 \text{ mA}$
$R_{g_1} (U_a = U_{g_2} < 275 \text{ V}) = 0,7 \text{ M}\Omega$
$R_{g_1} (U_a = U_{g_2} > 275 \text{ V}) = 0,2 \text{ M}\Omega$
$R_{fk} = 5 \text{ k}\Omega$
$U_{fk} = 50 \text{ V}$

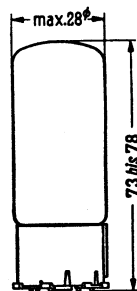
Äußere Abmessungen der Röhren Outlines of tubes



Kolben Nr. 38
Bulb No. 38



Kolben Nr. 39
Bulb No. 39



Kolben Nr. 40
Bulb No. 40

Maße in mm
Dimensions in mm