

Triode Reaktanzröhre · Reactance tube
Pentode Sinusoszillator und Impulsformer in FS-Geräten
Sine oscillator and pulse shaper in TV sets

U_f **6,3** V
 I_f ca. 450 mA

Meßwerte · Measuring values

Triode			Pentode			
U_a	200	V	U_a	100	200	V
U_g	-2	V	U_{g2}	100	200	V
I_a	3,5	mA	U_{g1}	0	-1	-16
S	3,5	mA/V	I_a	12,5	6	$\leq 0,01$
μ	70		I_{g2}	3,5	1,7	mA
$I_a (I_g = 10 \mu A)$	10	mA	S		5,5	mA/V
			$\mu_{g2/g1}$		47	

Nennwert-Grenzdaten · Design centre ratings

Triode			Pentode		
U_{a0}	550	V	U_{a0}	550	V
U_a	250	V	U_a	300	V
N_a	1,4	W	N_a	1,2	W
$U_{ge} (I_g \leq +0,3 \mu A)$	-1,3	V	U_{g20}	550	V
R_{g^2}	3	M Ω	U_{g2}	250	V
I_k	10	mA	N_{g2}	0,8	W
U_{f/k^4}	100	V	U_{g1sp}	-200	V
$R_{f/k}$	20	k Ω	$U_{g1e} (I_{g1} \leq +0,3 \mu A)$	-1,3	V
$Z_g (50 \text{ Hz})$	50	k Ω	R_{g1^1}	1	M Ω
			R_{g1^2}	0,56	M Ω
			I_k	15	mA
			I_{ksp^3}	50	mA
			$U_{f/k}$	100	V
			$R_{f/k}$	20	k Ω
			$Z_{g1} (50 \text{ Hz})$	300	k Ω

1) U_{g1} mittels $R_k \cdot U_{g1}$ by R_k

2) U_{g} fest · fixed grid bias

3) Tastverhältnis max. 30 %
Impulsdauer max. 30 μ s
duty cycle max. 30 %
pulse duration max. 30 μ s

4) Zum Vermeiden von Brummstörungen soll die Wechselspannungskomponente von $U_{f/k}$ so klein wie möglich sein und darf einen Effektivwert von 65 V nicht überschreiten.

To prevent hum interference the AC voltage component of $U_{f/k}$ should be as small as possible and must not exceed 65 V r.m.s.



Kapazitäten · Capacitances

Triode

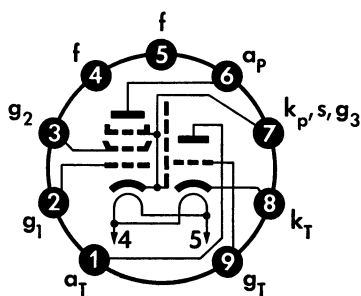
c_e	2,4	pF
$c_{a/g}$	1,5	pF
$c_{a/f}$	< 0,1	pF

Pentode

c_e	5,4	pF
c_{a/g_1}	0,06	pF
$c_{g_1/f}$	< 0,1	pF

Sockelschaltbild

Basing diagram



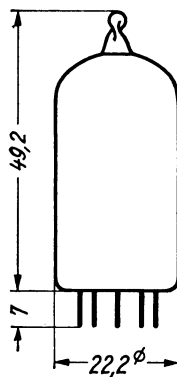
Pico 9 · Noval

Einbau: beliebig
Mounting position: any

max. Abmessungen

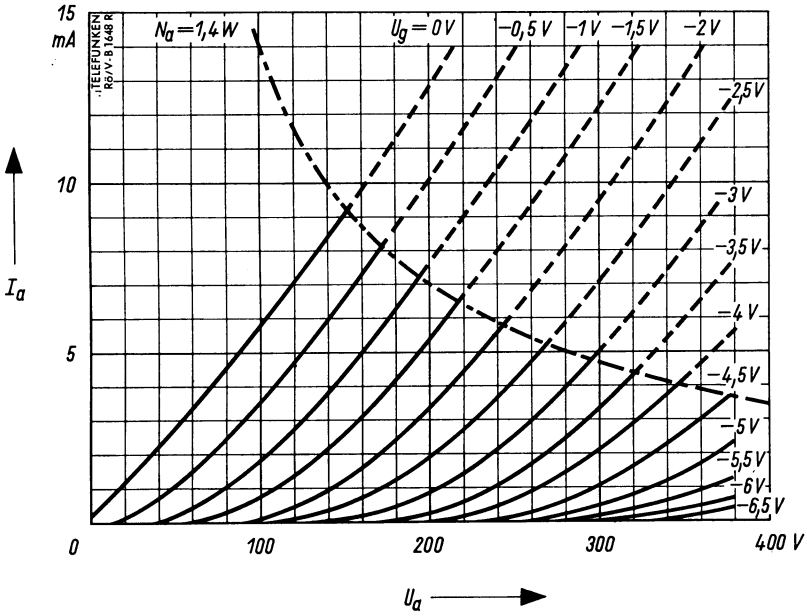
max. dimensions

DIN 41 539, Nenngröße 40, Form A



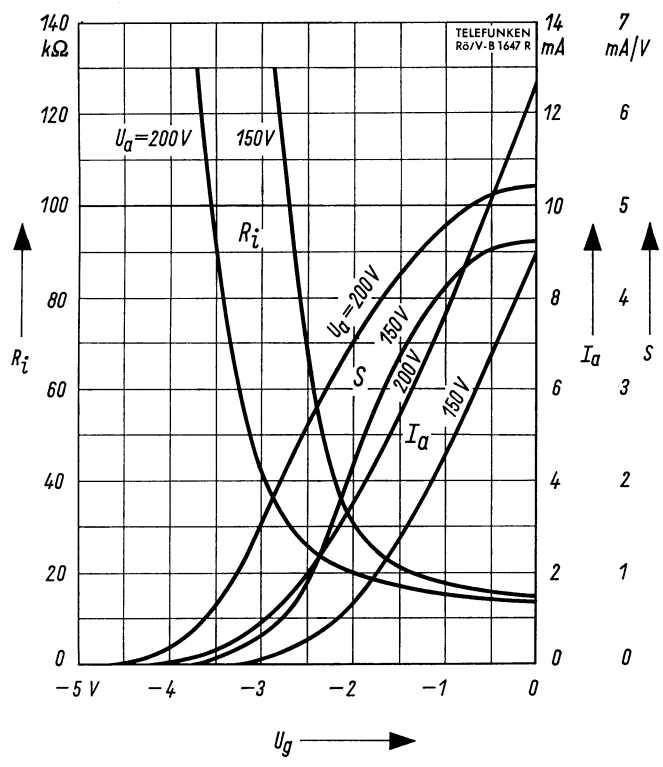
Gewicht · Weight
max. 16 g

Wenn notwendig, muß gegen Herausfallen der Röhre aus der Fassung Vorsorge getroffen werden.
If necessary special precautions must be taken to prevent the tube from becoming dislodged from the socket.



Triode

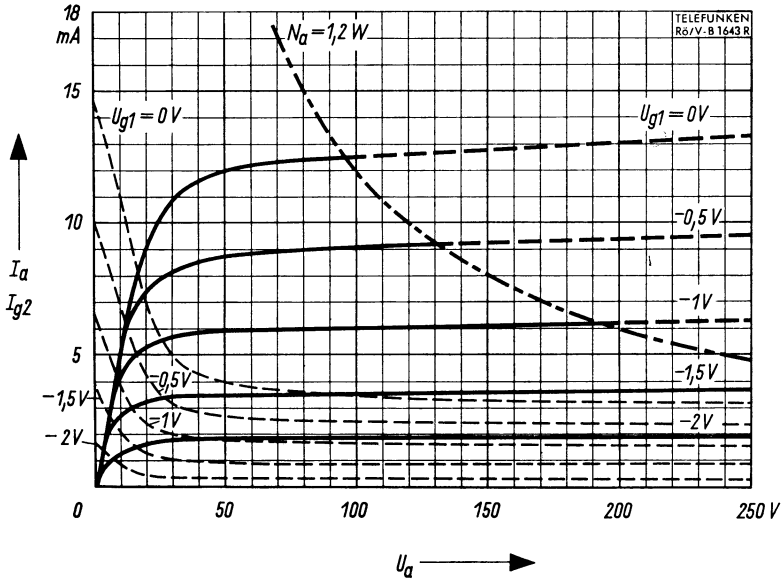




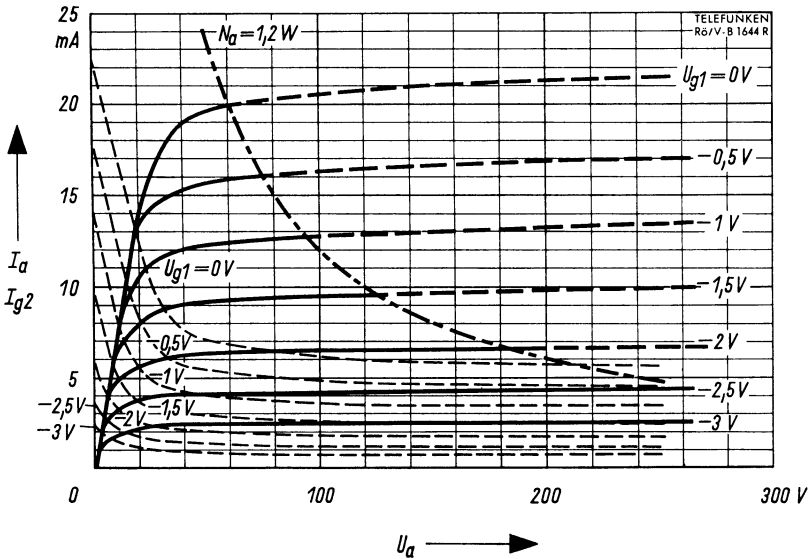
$I_a, S, R_i = f(U_g)$
 $U_a = \text{Parameter}$

Triode





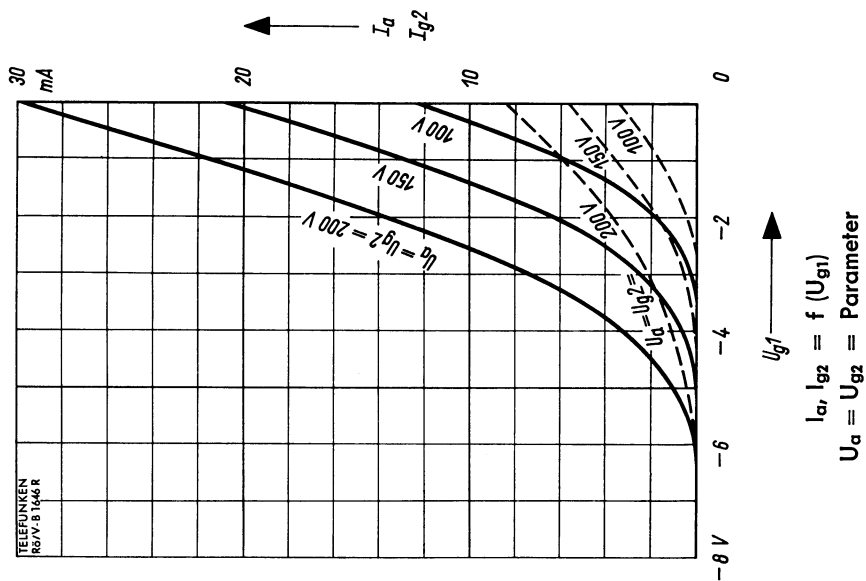
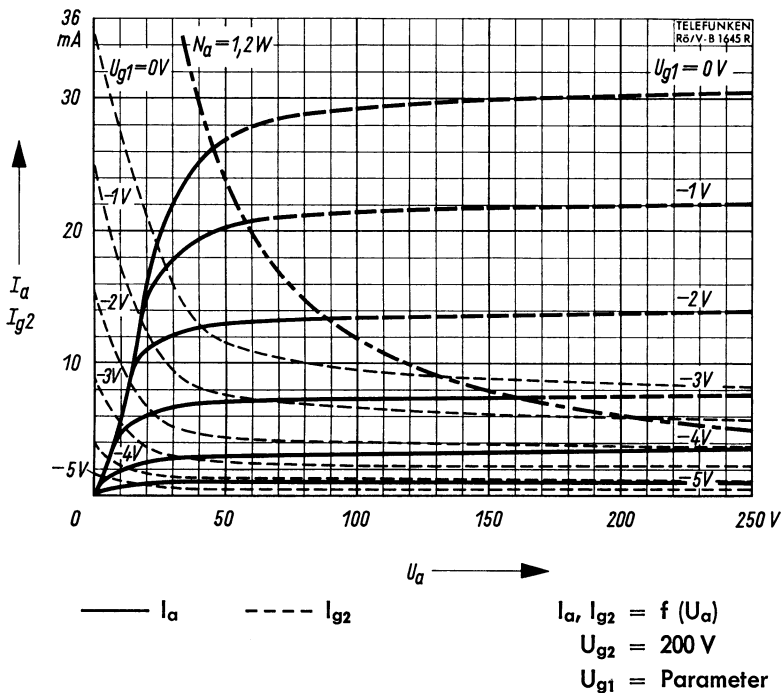
$I_a, I_{g2} = f(U_a)$
 $U_{g2} = 100 \text{ V}$
 $U_{g1} = \text{Parameter}$



$I_a, I_{g2} = f(U_a)$
 $U_{g2} = 150 \text{ V}$
 $U_{g1} = \text{Parameter}$

Pentode





Pentode

