

A.F. SUBMINIATURE PENTODE for hearing aids
PENTHODE SUBMINIATURE B.F. pour appareils de sourds
NF-SUBMINIATURPENTODE für Schwerhörigengeräte

Heating : direct by D.C.
series or parallel supply

Chauffage: direct par C.C.
alimentation en série ou
en parallèle

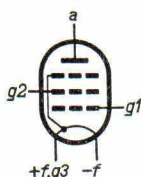
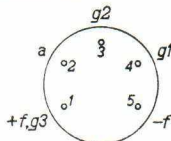
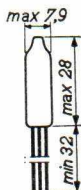
Heizung : direkt durch Gleichstrom
Serien-oder Parallelspei-
sung

$V_f = 0,625 \text{ V}$

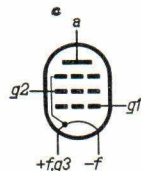
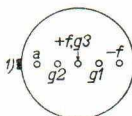
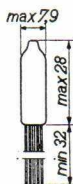
$I_f = 13,3 \text{ mA}$

Dimensions in mm Dimensions en mm
Abmessungen in mm

DF 65



DF 67



Base, culot, Sockel: Subminiature

Capacitances
Capacités
Kapazitäten

$C_{g1} = 1,5 \text{ pF}$
 $C_a = 1,5 \text{ pF}$
 $C_{ag1} < 0,2 \text{ pF}$

Typical characteristics
Caractéristiques types
Kenndaten

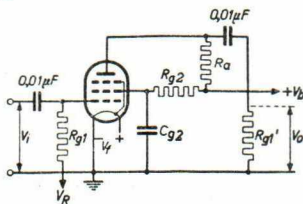
$V_a = 22,5 \text{ V}$
 $V_{g2} = 18 \text{ V}$
 $V_{g1} = -1,15 \text{ V}$
 $I_a = 0,05 \text{ mA}$
 $I_{g2} = 0,01 \text{ mA}$
 $S = 0,1 \text{ mA/V}$
 $R_i = 4 \text{ M}\Omega$
 $\mu_{g2g1} = 8,7$

¹) Red spot
Point rouge
Roter Punkt

DF 65
DF 67

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Operating characteristics
Caractéristiques d'utilisation
Betriebsdaten



V_b	15	15	22,5	22,5	22,5	V
V_R	0	-0,63	0	-0,63	0	V
R_a	1	1	1	1	4,7	MΩ
R_{g2}	3,9	2,7	3,9	2,7	18	MΩ
R_{g1}	10^1)	5	10^1)	5	10	MΩ
R_{g1}'	5	10	5	10	10	MΩ
C_{g2}	0,5	0,5	0,5	0,5	0,002	μF
I_a	-	-	11,7	11,8	-	μA
I_{g2}	-	-	2,5	3,0	-	μA
V_0	19	22	31	30	33	
V_1						
$d_{tot}(V_0=3V_{eff})$	9	9	5	5	7	%

Limiting values
Caractéristiques limites
Grenzdaten

V_a	= max. 45 V	$V_{g1}(I_{g1}=+0,3\mu A)$	= max. -0,2 V
W_a	= max. 1,5 mW	I_k	= max. 75 μA
V_{g2}	= max. 45 V	R_{g1}	= max. 10 MΩ
W_{g2}	= max. 0,5 mW	V_f	= max. 0,78 V
		V_f	= min. 0,45 V

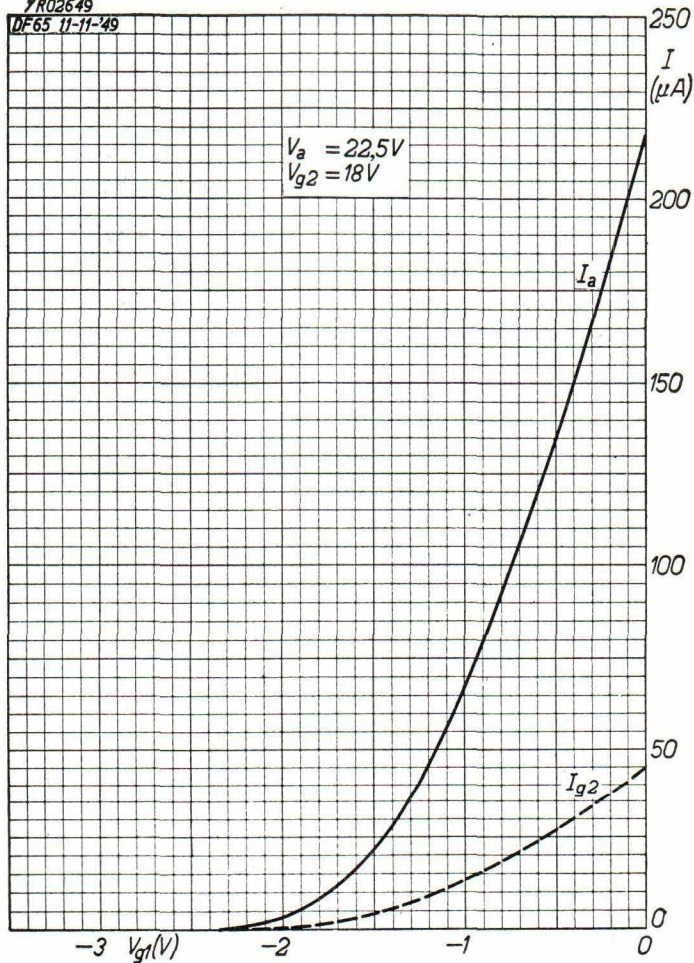
¹⁾ The input resistance of the tube is about 4 MΩ in this case
La résistance d'entrée du tube est de 4 MΩ environ en ce cas
Die Eingangsdämpfung der Röhre beträgt etwa 4 MΩ in diesem Fall

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