POWER PENTODE

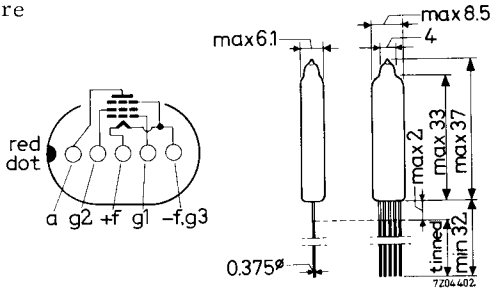
Pentode intended for use as power amplifier.

QUICK REFERENCE DATA	
Life test	500 hours
Base	Subminiature
Heating	Direct Battery supply
Heater voltage	V_f 1.25 V
Heater current	I_f 25 mA

DIMENSIONS AND CONNECTIONS

Dimensions in mm

Base: Subminiature



Leads should not be soldered nearer than 5 mm to the seal
Leads should not be bent nearer than 1.5 mm to the seal.

CHARACTERISTICS

Anode voltage	V_a	22.5	V
Grid No.2 voltage	V_{g_2}	22.5	V
Anode current	I_a	600	μA
Grid No.2 current	I_{g_2}	150	μA
Grid No.1 voltage	$-V_{g_1}$	2.2	V
Mutual conductance	S	430	μA/V
Internal resistance	R_i	100	kΩ
Amplification factor	$\mu g_2 g_1$	5	

CAPACITANCE

Anode to grid No.1	C_{ag_1}	max.	0.15	pF

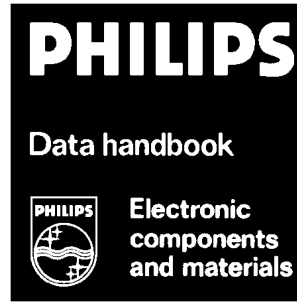
LIMITING VALUES (Design centre rating system)

Anode voltage	V_a	max.	45	V
Grid No.2 voltage	V_{g_2}	max.	45	V
Anode dissipation	W_a	max.	100	mW
Grid No.2 dissipation	W_{g_2}	max.	25	mW
Cathode current	I_k	max.	2.3	mA

OPERATING CHARACTERISTICS

As class A amplifier (one tube)

Anode voltage	V_a	22.5	V
Grid No.2 voltage	V_{g_2}	22.5	V
Grid No.1 voltage	$-V_{g_1}$	2.2	V
Anode resistance	$R_{a\sim}$	37.5	kΩ
Anode current (V_i = zero)	I_a	600	μA
Grid No.1 current (V_i = zero)	I_{g_2}	150	μA
Input voltage	V_i	1.3	V_{RMS}
Output power	W_o	5	mW
Distortion	d	10	%



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