POWER PENTODE

Pentode intended for use as power amplifier.

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<td>Heating</td>
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DIMENSIONS AND CONNECTIONS

Base: Subminiature

Dimensions in mm

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 \( V_{g2} \) 22.5 V
Anode current \( I_a \) 600 μA
Grid No. 2 current \( I_{g2} \) 150 μA
Grid No. 1 voltage \( -V_{g1} \) 2.2 V
Mutual conductance \( S \) 430 μA/V
Internal resistance \( R_i \) 100 kΩ
Amplification factor \( \mu_{g2g1} \) 5

CAPACITANCE

Anode to grid No. 1 \( C_{ag1} \) max. 0.15 pF

LIMITING VALUES (Design centre rating system)

Anode voltage \( V_a \) max. 45 V
Grid No. 2 voltage \( V_{g2} \) max. 45 V
Anode dissipation \( W_a \) max. 100 mW
Grid No. 2 dissipation \( W_{g2} \) 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 \( V_{g2} \) 22.5 V
Grid No. 1 voltage \( -V_{g1} \) 2.2 V
Anode resistance \( R_{a<} \) 37.5 kΩ
Anode current \( (V_i = 0) \) \( I_a \) 600 μA
Grid No. 1 current \( (V_i = 0) \) \( I_{g2} \) 150 μA
Input voltage \( V_i \) 1.3 \( V_{RMS} \)
Output power \( W_o \) 5 mW
Distortion \( d \) 10 %

OBSELOSENT TYPE

December 1968
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