



ELECTRONIC TUBE REFERENCE

PL95

Power - Pentode Single (NOT beam) (under 10W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Compact series-heater audio power pentode providing approximately 3 W output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	4.5 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.0054 S
AMPLIFICATION FACTOR	17
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	6 W
MAXIMUM SCREEN DISSIPATION	1.25 W
MAXIMUM CATHODE CURRENT	35 mA
<i>Published ratings and characteristics promoted where clearly stated; identical repeated sections compressed when applicable.</i>	

Small audio-frequency output pentode for low-power amplifier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1972 Philips Receiving Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1972 PHILIPS RECEIVING TUBES

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	4.5 V	Published nominal value
Heater current	300 mA	Published nominal value
Transconductance	5400 μ S	Published operating characteristic

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	6 W	Published maximum rating
Audio output power	3 W	Published quick-reference value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1999 PHILIPS E-Z

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode current I_a	24 mA	Anode current I_a 24 mA
Transconductance S	5.4 mA	Transconductance S 5.4 mA/V
Output power W_o	3 W	Output power W_o 3 W
Heater current I_f	300 mA	Heater current I_f 300 mA
Heater voltage V_i	4.5 V	Heater voltage V_i 4.5V

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode to all except grid No.1 Ca(gy)	3.5 pF	Anode to all except grid No.1 Ca(gy) 3.5 pF
Grid No.1 to all except anode Cgl(a)	5.3 pF	Grid No.1 to all except anode Cgl(a) 5.3 pF
Anode to grid No.1 Cagj max	0.4 pF	Anode to grid No.1 Cagj max. 0.4 pF
Grid No.1 to heater Cgif-- max	0.2 pF	Grid No.1 to heater Cgif-- max. 0.2 pF
Anode current Iy	24 mA	Anode current Iy 24 mA
Grid No.2 current Igy	4.5 mA	Grid No.2 current Igy 4.5 mA
Anode current (V; = 0) Ia 23	24 mA	Anode current (V; = 0) Ia 23 24 mA
Grid No.2 current (Vi =0) Igz 4.2	4.5 mA	Grid No.2 current (Vi =0) Igz 4.2 4.5 mA
Output power Wo 2.3	3 W	Output power Wo 2.3 3.0 W
Anode voltage Vao max	3550 V	Anode voltage Vao max. 3550 V
Grid No.2 voltage Vg2, max	550 V	Grid No.2 voltage Vg2, max. 550 V
Anode dissipation ' Wy max	6 W	Anode dissipation ' Wy max. 6 W
Cathode current Ik max	35 mA	Cathode current Ik max. 35 mA
Cathode to heater voltage Vit max	200 V	Cathode to heater voltage Vit max. 200 V