



ELECTRONIC TUBE REFERENCE

DL41

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Directly heated output pentode for battery receivers with multiple filament connections and documented Class-A and Class-B output conditions. Designed for flexible portable audio power stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.4 V / 100 mA	PARALLEL HEATER	1.4 V / 100 mA
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	80000 Ω
TRANSCONDUCTANCE	0.00255 S
AMPLIFICATION FACTOR	10
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	1.2 W
MAXIMUM SCREEN DISSIPATION	0.6 W
MAXIMUM CATHODE CURRENT	14 mA
Battery output pentode with multiple filament connections and Class A/Class B operating data.	

Directly heated output pentode for battery receivers, with multiple filament connections and published Class A and Class B output conditions.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V1

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V1

Section 1 · Pentode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate capacitance	5.3 pF	—
Grid-to-plate capacitance	—0.5 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	120 V	ClassA 1.4V 100mA filament
Screen voltage	120 V	ClassA 1.4V 100mA filament
Plate current	10 mA	ClassA 1.4V 100mA filament
Screen current	1.65 mA	ClassA 1.4V 100mA filament
Power output	0.55 W	ClassA 1.4V 100mA filament
Power output	0.475 W	ClassB 84V
Power output	2.1 W	ClassB 150V

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2550 μ S	ClassA 1.4V 100mA filament
Plate resistance	80 kohm	—

1999 Philips 0-D

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1999 PHILIPS 0-D
Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output power at 90 V	0.36 W	ClassA
Output power at 120 V	0.6 W	ClassA
Push-pull Class B output power	2.1 W	ClassB PushPull

TUBE TINKER

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