



ELECTRONIC TUBE REFERENCE

DL68

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Subminiature hearing-aid output pentode designed for approximately 22.5 V HT supplies. Its low-power construction supports miniature wearable audio equipment with limited battery voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Subminiature	BASE PINS	8
NOMINAL HEATER	1.25 V / 25 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	100000 Ω
TRANSCONDUCTANCE	0.00043 S
MAXIMUM PLATE VOLTAGE	45 V
MAXIMUM SCREEN VOLTAGE	45 V
MAXIMUM PLATE DISSIPATION	0.1 W
MAXIMUM SCREEN DISSIPATION	0.025 W
MAXIMUM CATHODE CURRENT	2.3 mA
<i>Published ratings and characteristics promoted from the approved German source.</i>	

Subminiature hearing-aid output pentode for 22.5 V HT supplies.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	1.25 V	Nominal
HeaterCurrentNominal	25 mA	Nominal
Maximum Plate Voltage	45 V	—
Maximum Screen Voltage	45 V	—
Maximum Plate Dissipation	0.1 W	—
Maximum Screen Dissipation	0.025 W	—
Maximum Cathode Current	2.3 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	1.25 V	—
HeaterOrFilamentCurrent	25 mA	—
Plate To Grid Capacitance	0.15 pF	—
Plate Voltage	22.5 V	—
Screen Voltage	22.5 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	600 μ A	—
Screen Current	150 μ A	—
Control Grid Voltage	-2.2 V	—
Transconductance	430 μ S	—
Plate Resistance	100 kohm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Load Resistance	37.5 kohm	ClassA
Power Output	5 mW	ClassA



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	22.5 V	ClassA
Screen-grid voltage	22.5 V	ClassA
Anode current	600 μ A	ClassA
Screen-grid current	150 μ A	ClassA
Control-grid voltage	-2.2 V	ClassA
Optimum load resistance	37.5 kohm	ClassA

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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