



ELECTRONIC TUBE REFERENCE

DL96

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Directly heated output power pentode designed for low-frequency audio amplification. Widely documented for battery equipment, it combines modest filament demand with useful portable audio output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Miniature	BASE PINS	7
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	1.4 V / 50 mA
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	160000 Ω
TRANSCONDUCTANCE	0.0014 S
MAXIMUM PLATE VOLTAGE	110 V
MAXIMUM SCREEN VOLTAGE	110 V
MAXIMUM PLATE DISSIPATION	0.6 W
MAXIMUM SCREEN DISSIPATION	0.2 W
MAXIMUM CATHODE CURRENT	6 mA
<i>Published ratings and characteristics promoted from the approved German source.</i>	

Directly heated output power pentode for low-frequency audio amplification.



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
Maximum Plate Voltage	110 V	—
Maximum Screen Voltage	110 V	—
Maximum Plate Dissipation	0.6 W	—
Maximum Screen Dissipation	0.2 W	—
Maximum Cathode Current	6 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Brimar Radio Valve No 7

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

1958 BRIMAR RADIO VALVE NO 7

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output maximum published	0.2 W	—



1961 Ferranti Technical Handbook

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

1961 FERRANTI TECHNICAL HANDBOOK

Section 1 · Pentode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Battery audio output	—



SOURCE DATA APPENDIX

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	1.4 V	—
HeaterOrFilamentCurrent	25 mA	—
FilamentConnectionOptions	Series;Parallel;SingleSection	—
FilamentSectionVoltage	1.4 V	—
Plate To Grid Capacitance	0.2 pF	—
Input Capacitance	3 pF	—
Output Capacitance	5 pF	—
Application	Class A, Class AB and Class B audio output	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
CathodeCurrentPerFilamentSectionMaximum	3 mA	ParallelFilament



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 Mazda Belvu

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

1968 MAZDA BELVU

Section 1 · Pentode

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	AudioOutput text	—



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	85 V	ClassA
Screen-grid voltage	85 V	ClassA
Anode current	5 mA	ClassA
Screen-grid current	0.9 mA	ClassA
Output power	200 mW	ClassA
Load resistance	13 k0hm	ClassA

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	5 pF	—
Output capacitance	4.7 pF	—
Anode-grid capacitance	<0.4 pF	—

TUBE TINKER

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and their source documents.

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