

ELECTRONIC TUBE REFERENCE

DL66

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Subminiature hearing-aid output pentode using a 1.25 V, 15 mA filament and direct-soldered wire leads. Designed for extremely compact, low-drain personal audio equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Subminiature	BASE PINS	8
NOMINAL HEATER	1.25 V / 15 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	300000 Ω
TRANSCONDUCTANCE	0.00035 S
AMPLIFICATION FACTOR	8
MAXIMUM PLATE VOLTAGE	45 V
MAXIMUM SCREEN VOLTAGE	45 V
MAXIMUM CATHODE CURRENT	1 mA
Subminiature output pentode for hearing aids.	

Subminiature output pentode for hearing aids, using a 1.25 V, 15 mA filament and direct-soldered wire leads.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1951 Mullard Valve and Service Manual

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

1951 MULLARD VALVE AND SERVICE MANUAL

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	22.5 V	ClassA
Screen Voltage	22.5 V	ClassA
Plate Current	0.3 mA	ClassA
Screen Current	0.075 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	350 μ S	—
Plate Resistance	300000 ohm	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Mullard Receiving Tubes

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

1958 MULLARD RECEIVING TUBES

Section 1 · Pentode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Battery audio output	—
Intended equipment	Hearing aid	—

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
Control-grid capacitance	2.5 pF	—
Plate capacitance	3.7 pF	—
Grid-to-plate capacitance	—0.2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	22.5 V	ClassA HearingAid
Screen voltage	22.5 V	ClassA HearingAid
Plate current	300 uA	ClassA HearingAid
Screen current	75 uA	ClassA HearingAid
Grid voltage	-1.4 V	ClassA HearingAid
Power output	16.5 mW	ClassA 45V

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	350 uS	—

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	300 uA	ClassA
Screen-grid current	75 uA	ClassA
Control-grid voltage	-1.4 V	ClassA

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	2.5 pF	—
Output capacitance	3.7 pF	—
Anode-grid capacitance	<0.2 pF	—