



ELECTRONIC TUBE REFERENCE

DL64

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Subminiature hearing-aid output pentode designed for operation from approximately 15 V HT supplies. Its extremely low-power construction provides audio output in miniature personal equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Subminiature	BASE PINS	—
NOMINAL HEATER	1.25 V / 10 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	400000 Ω
TRANSCONDUCTANCE	0.00018 S
AMPLIFICATION FACTOR	4.5
MAXIMUM PLATE VOLTAGE	45 V
MAXIMUM SCREEN VOLTAGE	45 V
MAXIMUM CATHODE CURRENT	0.6 mA
Subminiature output pentode for hearing aids.	

Subminiature hearing-aid output pentode for 15 V HT supplies.



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	10 mA	—
PlateToGridCapacitanceMaximum	0.25 pF	—
Input Capacitance	2.5 pF	—
Output Capacitance	2.4 pF	—
Plate Voltage	15 V	—
Screen Voltage	15 V	—
Plate Current	160 μ A	—
Screen Current	40 μ A	—
Control Grid Voltage	-1.5 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Load Resistance	100 kohm	ClassA
Power Output	0.95 mW	ClassA



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	2.4 pF	—
Grid-to-plate capacitance	—0.25 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	15 V	ClassA HearingAid
Screen voltage	15 V	ClassA HearingAid
Plate current	160 uA	ClassA HearingAid
Screen current	40 uA	ClassA HearingAid
Grid voltage	-1.5 V	ClassA HearingAid

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	180 uS	—



TUBE TINKER
ELECTRON TUBE DATABASE

SOURCE DATA APPENDIX

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	15 V	ClassA
Screen-grid voltage	15 V	ClassA
Anode current	160 uA	ClassA
Screen-grid current	40 uA	ClassA
Control-grid voltage	-1.5 V	ClassA

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	2.5 pF	—
Output capacitance	2.4 pF	—
Anode-grid capacitance	<0.25 pF	—

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker