



ELECTRONIC TUBE REFERENCE

DL67

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Subminiature output pentode designed for hearing aids and other very-low-power audio equipment. Its directly heated miniature construction provides useful output while minimizing battery drain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Subminiature	BASE PINS	8
NOMINAL HEATER	1.25 V / 13.3 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	0.00044 S
AMPLIFICATION FACTOR	9
MAXIMUM PLATE VOLTAGE	45 V
MAXIMUM SCREEN VOLTAGE	45 V
MAXIMUM PLATE DISSIPATION	0.025 W
MAXIMUM SCREEN DISSIPATION	0.006 W
MAXIMUM CATHODE CURRENT	0.6 mA
<i>Published ratings and characteristics promoted from the printed technical data.</i>	

Subminiature output pentode for hearing aids and other very-low-power audio equipment.



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	13.3 mA	Nominal
Maximum Plate Voltage	45 V	—
Maximum Screen Voltage	45 V	—
Maximum Plate Dissipation	0.025 W	—
Maximum Screen Dissipation	0.006 W	—
Maximum Cathode Current	0.6 mA	—



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	2.2 pF	—
Grid-to-plate capacitance	—0.2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	22.5 V	HearingAid
Screen voltage	22.5 V	HearingAid
Plate current	0.475 mA	HearingAid
Screen current	0.1 mA	HearingAid
Grid voltage	-0.2 V	HearingAid
Power output	1.8 mW	HearingAid

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	420 μ S	—
Plate resistance	0.4 Mohm	—

TUBE TINKER

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and their source documents.

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