



ELECTRONIC TUBE REFERENCE

DL620

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Subminiature 90 V battery output pentode designed for either single-ended or push-pull service. Its compact construction provides useful audio output power in miniature portable equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	1.25 V / 50 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	110000 Ω
TRANSCONDUCTANCE	0.00065 S
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM SCREEN VOLTAGE	90 V
<i>Published Mullard/Philips ratings and characteristics promoted where applicable; additional values retained as parameters.</i>	

Subminiature 90 V battery output pentode for single-ended or push-pull service.



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	—



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	50 mA	—
PlateToGridCapacitanceMaximum	0.2 pF	—
Input Capacitance	2.8 pF	—
Output Capacitance	3.5 pF	—
Plate Voltage	67.5 V	—
Screen Voltage	67.5 V	—
Plate Current	3.1 mA	—
Screen Current	0.95 mA	—
Control Grid Voltage	-6.5 V	—

OTHER**PARAMETER****PUBLISHED VALUE****CONDITION / NOTE**

Power Output

110 mW

ClassA;PlateVoltage=90V

Power Output

200 mW

PushPull;ClassAB