



ELECTRONIC TUBE REFERENCE

EL32

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Low-current-heater output pentode for AC/DC and automobile-radio audio stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Octal	BASE PINS	8
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	70000 Ω
TRANSCONDUCTANCE	0.0028 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	8 W
MAXIMUM SCREEN DISSIPATION	1.6 W
MAXIMUM CATHODE CURRENT	42 mA
<i>Published source values promoted where applicable; additional values retained as parameters.</i>	

Output pentode with 200 mA heater for AC/DC and car-radio audio output service. Published heater, characteristics, ratings and application information were read from the supplied Mullard sheet.



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

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Audio power output	—
Triode-connected operation	Published	TriodeConnection



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode current	32 mA	ClassA
Screen current	5 mA	ClassA
Load resistance	8000 ohm	ClassA
Output power	3.6 W	ClassA
Push-pull output power	7 W	PushPull; TwoTubes

TUBE TINKER

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

