



ELECTRONIC TUBE REFERENCE

EL71

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Low-voltage audio power pentode providing approximately 1 W from only a 100 V plate supply.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B8D/F	BASE PINS	8
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	15000 Ω
TRANSCONDUCTANCE	0.0042 S
MAXIMUM PLATE VOLTAGE	165 V
MAXIMUM SCREEN VOLTAGE	155 V
MAXIMUM PLATE DISSIPATION	4 W
MAXIMUM SCREEN DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	50 mA
<i>Published characteristics and absolute ratings.</i>	

Subminiature audio output pentode. Published heater, characteristics, ratings and application information were read from the supplied Mullard sheet.

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	—
Screen-grid voltage	100 V	—
Plate current	30 mA	—
Screen-grid current	1.2 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output power	1 W	SingleEnded

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
Anode current	30 mA	V _a =100V; V _{g2} =100V
Screen current	1.2 mA	V _a =100V; V _{g2} =100V

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Load resistance	3000 ohm	Typical
Output power	1 W	Typical