

ELECTRONIC TUBE REFERENCE

7D3

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Series-string audio power pentode with a 40 V heater and published output operation around 135-160 V.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	40 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	42000 Ω
TRANSCONDUCTANCE	0.0024 S
Published Brimar values promoted where applicable; additional data retained as parameters.	

Series-string power pentode with a 40 V heater and published 135 V and 160 V output operating points.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1948 Brimar Radio Valve Manual

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1948 BRIMAR RADIO VALVE MANUAL

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	160 V	—
Plate Current	33 mA	—
Screen Voltage	120 V	—
Screen Current	6.5 mA	—
Control Grid Voltage	-15 V	—
Cathode Bias Resistor	440 ohm	—
Optimum Load	5000 ohm	—
Power Output	2.2 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	42000 ohm	—
Transconductance	2400 μ S	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Brimar Radio Valve No 7

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1958 BRIMAR RADIO VALVE NO 7

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Power output	—