



ELECTRONIC TUBE REFERENCE

7D8

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

High-slope audio power pentode with approximately 10 mA/V transconductance and 3.75 W published output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	13 V / 650 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	60000 Ω
TRANSCONDUCTANCE	0.01 S
<i>Published Brimar values promoted where applicable; additional data retained as parameters.</i>	

High-slope power pentode with a 13 V heater, 10 mA/V transconductance, and approximately 3.75 W output.



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	250 V	—
Plate Current	32 mA	—
Screen Voltage	250 V	—
Screen Current	6 mA	—
Control Grid Voltage	-6 V	—
Cathode Bias Resistor	150 ohm	—
Optimum Load	8500 ohm	—
Power Output	3.75 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	60000 ohm	—
Transconductance	10000 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	—

TUBE TINKER

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and their source documents.

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