ELECTRONIC TUBE REFERENCE

7D6

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

High-slope series-heater audio power pentode providing approximately 3.75 W output.

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	60000 Ω
TRANSCONDUCTANCE	0.01 S
Published Brimar values promoted where applicable; additional data retained as parameters.	

High-slope power pentode with a 40 V heater, 10 mA/V transconductance, and approximately 3.75 W output.

SOURCE OPERATING CONDITIONS

1948 Brimar Radio Valve Manual

SOURCE PDF

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 µS	—

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1958 Brimar Radio Valve No 7

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

1958 BRIMAR RADIO VALVE NO 7

Section 1 · Pentode

APPLICATION		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Application	**Power output**	—

Tube Tinker

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