

ELECTRONIC TUBE REFERENCE

7B5E

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Power/output pentode designed for low-frequency or audio-frequency output amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6AE	BASE PINS	8
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	68000 Ω
TRANSCONDUCTANCE	0.0022 S
Published operating characteristics.	

The BRIMAR 7B5E is a power pentode with a 6.3 V, 0.4 A heater and 3.4 W published power 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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Voltage	250 V	—
Anode Current	32 mA	—
Screen Voltage	250 V	—
Screen Current	5.5 mA	—
Control Grid Voltage	-15 V	—
Cathode Bias Resistor	500 ohm	—
Optimum Load	7600 ohm	—
Power Output	3.4 W	—

TUBE TINKER

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and their source documents.

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