



ELECTRONIC TUBE REFERENCE

41E

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Brimar companion designation to type 41, sharing the same published power-pentode electrical characteristics. Designed for receiver audio-output and low-frequency power-amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
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	0.0023 S
<i>Published ratings and characteristics promoted semantically from the approved source; identical dual rectifier sections compressed to one representative section row.</i>	

Explicit 41E companion designation on the Brimar 41/41E power-pentode sheet, with the same published electrical characteristics.

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	180 V	Point1
Plate Voltage	250 V	Point2
Plate Current	18.5 mA	Point1
Plate Current	32 mA	Point2
Screen Voltage	180 V	Point1
Screen Voltage	250 V	Point2
Power Output	1.5 W	Point1
Power Output	3.4 W	Point2

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	1850 μ S	Point1
Transconductance	2300 μ S	Point2
Plate Resistance	81000 ohm	Point1
Plate Resistance	68000 ohm	Point2

TUBE TINKER

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and their source documents.

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