



ELECTRONIC TUBE REFERENCE

43E

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Brimar companion designation to type 43, sharing its published power-pentode characteristics. Designed for AC/DC receiver audio-output service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	25 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	42000 Ω
TRANSCONDUCTANCE	0.0024 S
<i>Promoted from 160 V operating point.</i>	

Explicit 43E companion designation on the Brimar 43/43E power-pentode sheet, sharing the same published 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	135 V	Point1
Plate Voltage	160 V	Point2
Plate Current	37 mA	Point1
Plate Current	33 mA	Point2
Screen Voltage	135 V	Point1
Screen Voltage	120 V	Point2
Power Output	2 W	Point1
Power Output	2.2 W	Point2

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	35000 ohm	Point1
Plate Resistance	42000 ohm	Point2
Transconductance	2450 μ S	Point1
Transconductance	2400 μ S	Point2

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Voltage	160 V	—
Anode Current	33 mA	—
Screen Voltage	120 V	—
Screen Current	6.5 mA	—
Control Grid Voltage	-18 V	—
Optimum Load	5000 ohm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Output	2.2 W	ClassA

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

[Catalog](#)[Tube types](#)[Full books](#)[Blog](#)[Feedback & corrections](#)

© 2026 Tube Tinker