

ELECTRONIC TUBE REFERENCE

8A1

Voltage - Pentode High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Brimar English-base RF pentode for high-frequency signal amplification. Manufacturer data specify a 4 V heater, 200 V plate operating point, and 4.0 mA/V transconductance for receiver-type RF service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	375000 Ω
TRANSCONDUCTANCE	0.004 S
Published ratings and characteristics promoted semantically from source. Repeated identical physical sections are compressed where applicable.	

English-base RF pentode with 4 V heater, 200 V plate operating point, and 4.0 mA/V transconductance.



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	200 V	—
Plate Current	3.5 mA	—
Screen Voltage	80 V	—
Screen Current	0.7 mA	—
Control Grid Voltage	-1.5 V	—
Cathode Bias Resistor	200 ohm	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	0.6 Mohm	—
Transconductance	4000 μ S	—

TUBE TINKER

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and their source documents.

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