

ELECTRONIC TUBE REFERENCE

77E

Voltage Pentode electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Brimar RF pentode with a 6.3 V, 0.3 A heater and high anode impedance. Manufacturer data identify it as a radio-frequency signal-amplifier tube rather than a power-output device.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	6
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	91000 Ω
TRANSCONDUCTANCE	0.0011 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	250 V
Published Brimar values promoted where applicable; additional data retained as parameters.	

The BRIMAR 77E is an RF pentode with a 6.3 V, 0.3 A heater, 1.5 megohm anode impedance, and 1.2 mA/V mutual conductance.

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	2.3 mA	—
Screen Voltage	100 V	—
Screen Current	0.5 mA	—
Control Grid Voltage	-3 V	—
Cutoff Grid Voltage	-7.5 V	—