



ELECTRONIC TUBE REFERENCE

32E

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Directly heated battery RF pentode designed for radio-frequency amplification in portable receiving equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	2 V / 60 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	1000000 Ω
TRANSCONDUCTANCE	0.0006 S
MAXIMUM PLATE VOLTAGE	180 V
MAXIMUM SCREEN VOLTAGE	90 V
<i>Brimar 32E directly heated battery RF pentode with 2.0 V, 0.06 A filament. Published typical operating conditions: anode voltage 135 V, screen voltage 67.5 V, control-grid bias -3 V, anode current 1.7 mA, screen current 0.4 mA, mutual conductance 0.6 mA/V (0.0006 S), and anode impedance approximately 1.0 MΩ. These operating values do not constitute independent absolute maximum ratings. The manufacturer specifies a U.X. base, while existing database basing is recorded as seven-pin 10; basing reconciliation is deferred pending separate confirmation.</i>	

Directly heated battery RF pentode.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	2 V	—
HeaterOrFilamentCurrent	60 mA	—

TUBE TINKER

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and their source documents.

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