



ELECTRONIC TUBE REFERENCE

1LN5E

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Low-drain loctal battery RF pentode intended for radio-frequency amplifier service, related to the 1N5 receiving family.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	1100000 Ω
TRANSCONDUCTANCE	0.0008 S
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM SCREEN VOLTAGE	90 V
<i>Brimar 1LN5E directly heated battery RF pentode with eight-pin loctal base, filament 1.4 V 50 mA. Published maximum anode voltage 90 V and screen voltage 90 V. Manufacturer operating data: anode current ~1.6 mA, screen current ~0.35 mA, control grid 0 V, anode impedance ~1.1 MΩ, mutual conductance 0.8 mA/V (0.0008 S); at control-grid bias -4.5 V mutual conductance ~0.01 mA/V. Existing sharp-cutoff designation retained under approved change scope. Values for characteristic operating points are not separate unlimited maximums.</i>	

Low-drain loctal battery RF pentode; the source refers to the related 1N5 family for fuller 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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	1.4 V	—
HeaterOrFilamentCurrent	50 mA	—

TUBE TINKER

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and their source documents.

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