



ELECTRONIC TUBE REFERENCE

2102

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-TRIODE

Brimar 2102 directly heated 2 V battery double-diode triode for signal detection and audio voltage amplification, with a 120 mA filament and U.X. six-pin base.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	6
NOMINAL HEATER	2 V / 120 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode

No fixed ratings recorded.

Published ratings and characteristics promoted from the supplied Brimar source where explicitly available.

SECTION2 Diode

No fixed ratings recorded.

Published ratings and characteristics promoted from the supplied Brimar source where explicitly available.

SECTION3 Triode	
PLATE RESISTANCE	23000 Ω
TRANSCONDUCTANCE	0.0013 S
AMPLIFICATION FACTOR	30
<p><i>Brimar 1948 2102 battery double-diode triode, triode section. Typical anode voltage 135 V, plate current 2.1 mA, grid bias -1.5 V, plate resistance 23000 Ω, gm 1.3 mA/V = 0.0013 A/V, amplification factor 30. The 135 V value is typical operating voltage and NOT maximum plate voltage, so max_plate_voltage remains null. Directly heated 2 V 0.12 A filament shared with both diodes, U.X. six-pin base.</i></p>	

Battery double-diode triode.



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 · Diode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	2 V	—
HeaterOrFilamentCurrent	120 mA	—

TUBE TINKER

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