



ELECTRONIC TUBE REFERENCE

20D2

Voltage Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

HEXODE-TRIODE

Brimar 20D2 triode-hexode radio frequency converter with shared cathode and separate oscillator section.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	13 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode

No fixed ratings recorded.

Brimar 1948/1958 20D2 triode oscillator; typical anode 100 V, current 3.8 mA, oscillator grid resistor 50 k Ω , grid current 0.15 mA. Common cathode with hexode. No maximum voltage, dissipation or conventional triode gm specified.

SECTION2 Hexode

PLATE RESISTANCE 600000 Ω

Brimar 1948/1958 20D2 hexode mixer; typical anode 250 V, anode current 2.5 mA, g2/g4 screen 100 V and current 6.0 mA, control-grid -3 V, cathode-bias resistor 300 Ω , anode impedance 0.6 M Ω , conversion conductance 0.00036 A/V. Do not promote conversion conductance to ordinary gm. No maximum ratings specified.

Triode-hexode frequency changer with characteristics referenced to the 6K8G family.



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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	13 V	—
HeaterOrFilamentCurrent	150 mA	—

1948 BRIMAR RADIO VALVE MANUAL

Section 2 · Hexode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Conversion Conductance	360 uS	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Brimar Radio Valve No 7

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1958 BRIMAR RADIO VALVE NO 7

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	13 V	—
Heater Current	150 mA	—

1958 BRIMAR RADIO VALVE NO 7

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Referenced Characteristics	Type 6K8G	Source states characteristics as type 6K8G; values not invented