



ELECTRONIC TUBE REFERENCE

15D2

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEPTODE

Heptode oscillator-converter for superheterodyne radio receivers, combining local oscillation and frequency conversion within one valve. Its series-heater design suits compact AC/DC receiving equipment requiring an integrated frequency-changing stage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	13 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Heptode	
PLATE RESISTANCE	360000 Ω
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	100 V
<i>Brimar 15D2 octal heptode receiving frequency changer, 13 V 150 mA series-string heater. Typical anode 250 V at 3.5 mA, grids 3 and 5 screen 100 V at 2.7 mA, oscillator anode grid 2 supply 200 V at 4 mA, control grid 4 -3 V, oscillator grid 1 resistor 50 kΩ. Typical plate resistance approximately 360 kΩ, conversion conductance ~ 0.55 mA/V. The latter is conversion gain, not intrinsic static gm. Brimar references 6A8G for characteristics; operating voltages are not established absolute maxima.</i>	

Heptode frequency changer for superheterodyne receiver service.

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 · Heptode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Frequency changer	—

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