

BRIMAR

VALVES

TYPE **6157**

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R.M.A. REGISTRATION DATA

6157

HALF WAVE VACUUM RECTIFIER.

This tube is an indirectly heated half-wave vacuum rectifier. Its small physical size renders it useful for compact mobile and airborne equipment. The use of a top cap reduces the possibility of electrolysis of the glass and the likelihood of arc-over at high altitudes. It is designed for Trustworthy operation under adverse conditions of vibration and mechanical shock.

MECHANICAL DATA.

Coated unipotential cathode.

Outline drawing No number allocated Bulb T-6 $\frac{1}{2}$
 Base E9-1 miniature glass button 9-pin.
 Top Cap JETEC C1-3
 Maximum diameter 7/8"
 Maximum overall length 2.13/16"
 Maximum seated height 2.9/16"
 Pin connection Basing No. No number allocated.

Pin 1 - Internally connected.	Pin 6 - Internally connected.
Pin 2 - Internally connected.	Pin 7 - Internally connected.
Pin 3 - Cathode	Pin 8 - Internally connected.
Pin 4 - Heater	Pin 9 - Internally connected.
Pin 5 - Heater	Top Cap - Plate.

Mounting position any
 Maximum shock (in intermittent operation) 500g
 Vibration (continuous service) 2 $\frac{1}{2}$ g
 Mechanical resonance None below 100 c/s

ELECTRICAL DATA.

Ratings.

Heater voltage (ac or dc)	6.3	6.3 volts
Heater current (ac or dc)	0.8	0.8 amps
D.C. heater cathode voltage	700	700 volts
Peak plate current	450	450 mA
D.C. output current	75	125 mA
Peak plate inverse voltage	1450	1000 volts.

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Typical operating conditions.Condenser input Filter (half wave rectifier).

Maximum R.M.S. voltage	500	350 volts
Minimum supply impedance	50	50 ohms
Maximum direct output current	75	125 mA
Maximum reservoir condenser	32	32 μ F

Condenser input Filter (Two valves as full wave rectifier).

Maximum R.M.S. voltage (per plate)	500	350 volts
Minimum supply impedance (per plate)	50	50 ohms
Maximum direct output current	150	250 mA
Maximum reservoir condenser	16	16 μ F