

TUBE TYPE 6374

The 6374 is an indirectly heated half wave rectifier primarily intended for operation at high altitudes.

PHYSICAL SPECIFICATIONS.

Base	E9-1 Small button noval 9 pin
Bulb	T6 $\frac{1}{2}$
Top Cap	Skirted miniature
Maximum overall length	3 $\frac{3}{16}$ "
Maximum seated height	2 $\frac{15}{16}$ "
Maximum diameter	$\frac{7}{8}$ "

BASING CONNECTIONS. (9BW)

Pin No. 1	Internal Connection	6	Internal Connection
2	Internal Connection	7	Internal Connection
3	Cathode	8	Internal Connection
4	Heater	9	Internal Connection
5	Heater		
Top Cap	Plate		

GENERAL ELECTRICAL DATA.

Heater Voltage	6.3 volts
Heater Current	1.0 amp

MAXIMUM RATINGS (Design Centre)

Plate peak inverse voltage	2,000 volts
Plate current (Plate voltage = 500 V r.m.s.)	150 mamps
Plate current (Plate voltage = 625 V r.m.s.)	125 mamps
Peak plate current	900 mamps
Peak heater to cathode voltage	500 volts

OPERATING CHARACTERISTICS.

Valve voltage drop (Plate current = 150 mamps)	22 volts
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TYPICAL OPERATION - 2 VALVES AS FULL WAVE RECTIFIER.

Plate voltage r.m.s.	500-0-500	625-0-625 volts
Plate current (average)	300	250 mamps
Output voltage	500	635 volts
Reservoir condenser (f = 50c/s)	16	16 μ F
Limiting resistance (per plate)	150	250 ohms

For 1600c/s operation the same I/V relation would be obtained using a capacitor of 0.5 μ F.

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