TUBE TYPE 6374

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

PHYSICAL SPECIFICATIONS.

Base
B9-1 Small button oval 9 pin
Bulb
T6.5
Top Cap
Skirted miniature
Maximum overall length
3 3/16"
Maximum seated height
2 15/16"
Maximum diameter
7/8"

BASING CONNECTIONS. (9BW)

Pin No. 1 Internal Connection
Internal Connection
Internal Connection
Internal Connection
Internal Connection
Internal Connection
Internal Connection
Internal Connection
Internal Connection
Internal Connection

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

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 uF
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 uF.

MULLARD LIMITED.
Century House,
Shaftesbury Avenue,
LONDON.W.C.2.
ENGLAND

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