Mullard
INDIRECTLY HEATED RECTIFIER

UR1C

The UR1C is a single-wave power rectifier for use in D.C./A.C. mains receivers, where the heater is run in series with those of the preceding valves.

HEATER CHARACTERISTICS

Heater Voltage ... ... Vf=20·0 volts
Heater Current ... ... If=0·2 amp
Heating Time—70 secs.

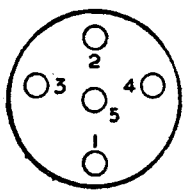
OVERALL DIMENSIONS

Overall Length ... =118 mm.
Overall Diameter... = 43 mm.

OPERATING DATA

Maximum Anode Voltage (R.M.S.)	Va_{max}	= 250 volts
Maximum Rectified Current	Ia_{max}	= 75 mA
Maximum D.C. Voltage Heater to Cathode ...	Vfk_{max}	= 350 volts
Maximum Value of Reservoir Condenser (with no resistance in anode lead)	Cl_{max}	= 8·0 μF

CONNECTIONS



Pin No. 1 Anode
„ 2 —
„ 3 Heater
„ 4 Heater
„ 5 Cathode

Viewed from free end of pins.

OPERATING NOTE

In order to protect the valve, it is essential that a resistance is included directly in the anode lead when large capacity smoothing condensers are used. Without this resistance the charging current of the first smoothing condenser may destroy the cathode of the rectifier should the receiver be switched off and on again quickly.

The maximum capacity of the smoothing condenser when no resistance is included is 8·0 μF. Where a 16 μF condenser is used the resistance value should be 75 ohms, and for a 32 μF condenser 125 ohms.

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