Mullard
INDIRECTLY HEATED RECTIFIER UR3C

The UR3C is an indirectly heated multiple rectifier for use in D.C./A.C. amplifiers and receivers, where the heaters are run in series with those of the preceding valves.

HEATER CHARACTERISTICS

Heater Volts	... ...	Vf=30 volts
Heater Current	... ...	If=0·2 amp
		Heating Time—75 secs.

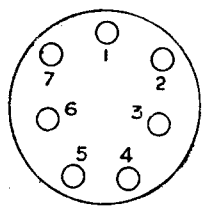
DIMENSIONS

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

OPERATING CHARACTERISTICS

Maximum Anode Voltage (R.M.S.)	... ...	Va_{max}	= 2 x 250 volts
Maximum Rectified Current	... ...	Ia_{max}	= 120 mA
Maximum D.C. Voltage Heater to Cathode	...	Vfk_{max}	= 350 volts

CONNECTIONS



Viewed from free end of pins.

Pin No. 1 —
„ 2 Anode (1)
„ 3 Cathode (1)
„ 4 Heater
„ 5 Heater
„ 6 Cathode (2)
„ 7 Anode

OPERATING NOTE

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

Maximum Capacity of Smoothing Condenser (C1) (C1)	Value of Resistance in series with each Anode (R1=R2)
8 μF	50 ohms
16 μF	75 ohms
32 μF	125 ohms

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