



Made in England.

BARRETTERS CURRENT REGULATORS

(For use in series with 0.3 amp. Valves).

Approx. Dimensions :
Overall length 130 m/m.
Maximum diameter of bulb
64 m/m.

**For prices see
pages 126-129.**

OSRAM BARRETTERS are designed to maintain the current passing through them substantially constant within certain limits, although fluctuating values of voltage be applied across the barretter in series with the load.

They may thus be employed with advantage to obviate the necessity for an external tapped resistance in receivers operating from A.C. or D.C. Mains in which the valve heaters are wired in series and the full heater current is drawn from the mains without (in the case of A.C. Mains) the intervention of a filament transformer.

OSRAM BARRETTERS for use with 0.3 amp. valves are supplied in four types, as follow :

CHARACTERISTICS.

Mean Current 0.3 ampere.

Type 301	..	..	..	Voltage Range	138-221
Type 302	..	..	..	„ „	112-195
Type 304	..	..	..	„ „	95-165
Type 303	..	..	..	„ „	86-129
Cap	..	..	..	Standard Edison Screw	

OPERATING CONDITIONS.

Barretters types 301, 302 and 304 accommodate the regulation of from three to seven 0.3 amp. heaters in series respectively for a mains supply range of from 190 to 260 volts.

In the case of Barretter type 303, however, when employed on a voltage supply of from 230 to 260 volts a small additional series resistance of approximately 150 ohms is required.

In operation, ample air circulation should be allowed round the Barretter. Care should be taken in handling as the bulb becomes hot on circuit and remains so for some time after the current is switched off. Approximately five minutes should be allowed for the Barretter to settle to its steady current regulation.

OSRAM 0.3 AMP. BARRETTES

