161 202
301/2/3/4

Osram

BARRETTERS

161, 202, 301, 302, 303 and 304 BARRETTERS

DESCRIPTION

Barretters are designed to maintain the current passing through them at a level which is substantially constant within certain limits, although fluctuating values of voltage are applied across the barretter in series with the load.

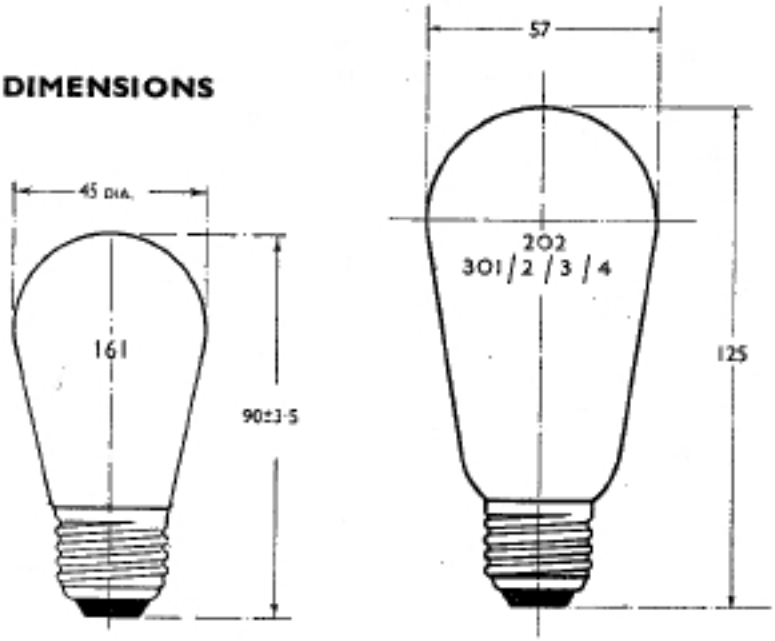
They may thus be employed with advantage to obviate the necessity for an external tapped resistor in receivers operating from A.C. or D.C. mains in which the valve heaters are wired in series, and the full heater current is drawn from the mains without (in the case of A.C. mains) the intervention of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

They are available in four types for use with 0·3 amp. valves, and a further two types for use with 0·2 amp. and 0·16 amp. valves respectively.

RATINGS

	Mean Current	Voltage Range
Type 161	0·16 amp.	100—180
Type 202	0·2 amp.	120—200
Type 301	0·3 amp.	138—221
Type 302	0·3 amp.	112—195
Type 303	0·3 amp.	86—129
Type 304	0·3 amp.	95—165

DIMENSIONS



CAP

Standard Edison Screw.

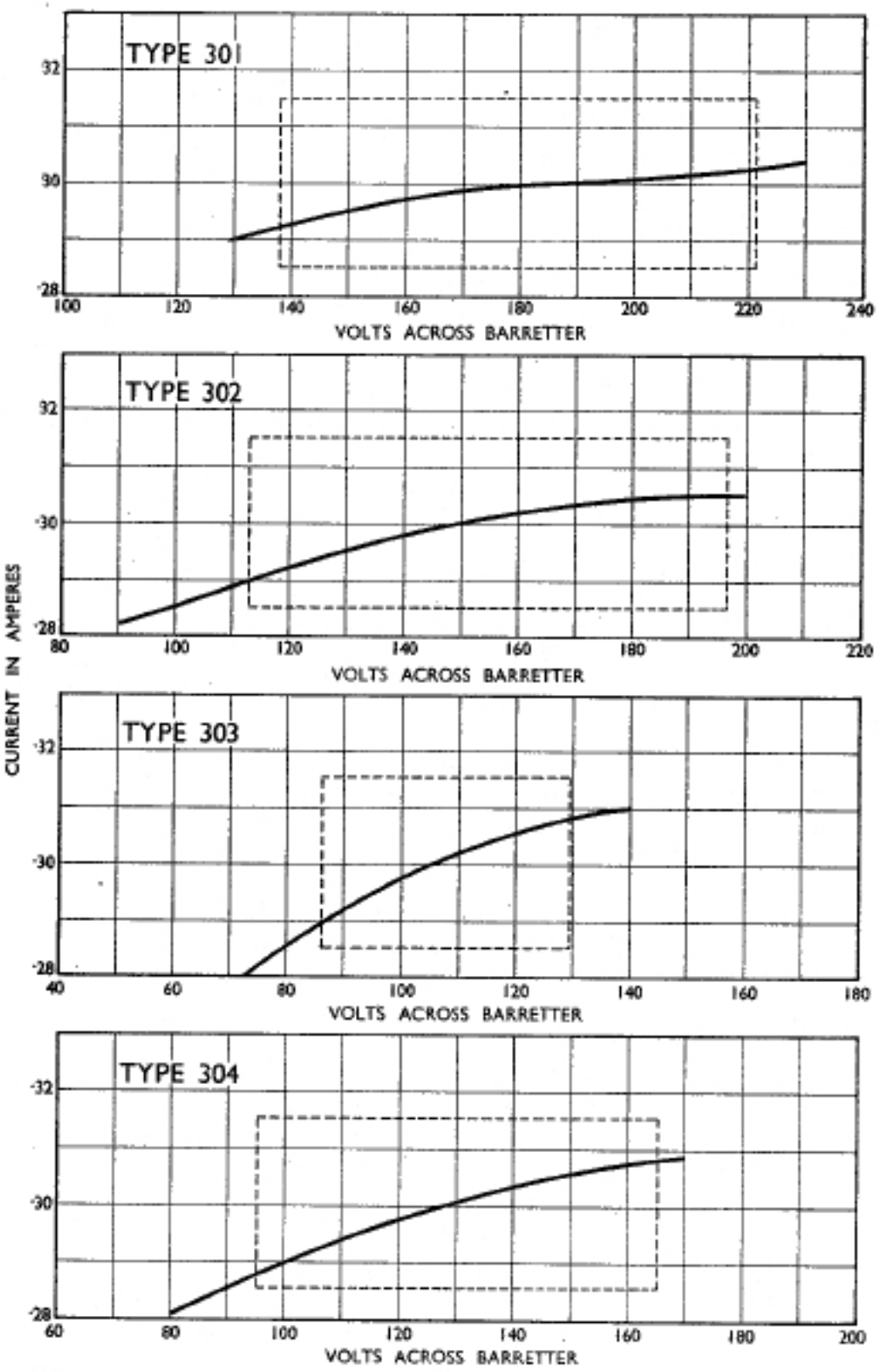
All dimensions are in mm. and are the maximum unless otherwise stated.

OPERATING CONDITIONS

In operation, ample air circulation should be allowed round the barretter. Care should be taken in handling as the bulb becomes hot when the barretter is in 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 state.

301, 302, 303 and 304 BARRETTERS



CHARACTERISTIC CURVES OF AVERAGE BARRETTERS.