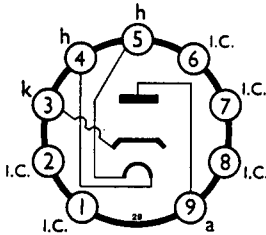




BOOSTER DIODE
0-3A INDIRECTLY HEATED

U309
APRIL, 1952

BASE CONNECTIONS AND VALVE DIMENSIONS



View from underside
of base.

Base : B9A
 Bulb : Tubular

Overall length : 72—78 mm.
 Seated length : 66—72 mm.
 Max. diameter : 22 mm.

RATING

I_b	0.3	A
V_h	20 approx.	V
V_{h-k}	350 max.	V
v_{h-k} (pk)	700 max.	V
PIV (pulse)*	4 max.	kV
I_{out}	170 max.	mA
i_a (pk)	1 max.	A

* Maximum pulse duration of 15% of one cycle with a maximum of 15 μ s.

CAPACITANCE

C_{a-all} 8 pF

OPERATION

When operating the valve as a booster diode, care must be taken to ensure that the valve socket insulation will withstand the maximum peak inverse voltage. The central cylindrical shield in the valve socket should be removed and it is also advisable to remove contacts 1, 6 and 7. In addition, it may be necessary to mount certain types of socket on a plate of insulating material.

MOUNTING

Any position.

RETAINING

A retaining device should be used.

VENTILATION

Free air circulation is preferable. If the retaining device is in the form of a canister, the surfaces should be blackened. The temperature of the hottest part of the bulb must not exceed 225°C.

U309

