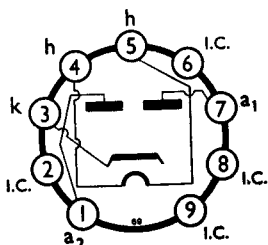




**MINIATURE  
BI-PHASE HALF WAVE RECTIFIER  
6·3V INDIRECTLY HEATED**

**U709**  
OCTOBER, 1953

**BASE CONNECTIONS AND VALVE DIMENSIONS**



Base : B9A  
Bulb : Tubular

Overall length : 67·5 max.      mm.  
Seated length : 60·5 max.      mm.  
Max. diameter : 22·2 max.      mm.

View from underside of base.

**RATING**

$V_h$	6·3	V
$I_h$	0·95	A
$V_{h-k}$	450 max.	V
PIV	1 max.	kV
$V_a$ (rms)	350 max.	V
$I_{out}$	150 max.	mA
$i_a$ (pk)	450 max.	mA
$i_a$ (sur)	1·5 max.	A

**TYPICAL OPERATION**

Single valve, Bi-phase half-wave. Capacitor input

$V_a$ (rms)	350	V
PIV	1000	V
$V_{out}$	340	V
$I_{out}$	150	mA
$i_a$ (pk)	450	mA
$i_a$ (sur)	1·5	A
$I_{ph}$ (rms)	157	mA
C	8	$\mu F$
$R_{source}$	270	$\Omega$
Vripple	10	%

**SWITCHING**

Direct

**MOUNTING**

Any position.

**RETAINING**

A retaining device should be used.

**VENTILATION**

Free air circulation is preferable. The temperature of the hottest part of the bulb must not exceed 220°C.

