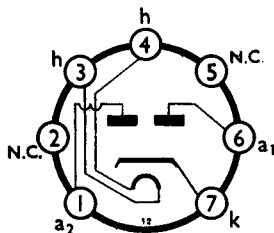




**MINIATURE  
BI-PHASE HALF WAVE RECTIFIER  
6.3V INDIRECTLY HEATED**

**U78**  
APRIL, 1952

**BASE CONNECTIONS AND VALVE DIMENSIONS**



View from underside of base.

Base : B7G  
Bulb : Tubular

Overall length : 44—70 mm.  
Seated length : 58—64 mm.  
Max. diameter : 19 mm.

**RATING**

$V_h$	6.3	V
$I_h$	0.6	A
$V_{h-k}$	450 max.	V
PIV	1.25 max.	kV
$V_a$ (rms)	325 max.	V
$I_{out}$	70 max.	mA
$i_a$ (pk)	210 max.	mA
$i_a$ (sur)	700 max.	mA

**TYPICAL OPERATION**

Single Valve, Bi-phase Half Wave. Capacitor Input

$V_a$ (rms)	325	V
PIV	920	V
$V_{out}$	300	V
$I_{out}$	70	mA
$i_a$ (pk) (per anode)	210	mA
$i_a$ (sur) (per anode)	700	mA
$I_{ph}$ (rms)	73.5	mA
C	16	$\mu$ F
$R_{source}$	435	$\Omega$
V ripple	3	%

**MOUNTING**

Any position.

**RETAINING**

A retaining device should be used.

**VENTILATION**

Free air circulation is preferable. The hottest part of the bulb must not exceed 250°C.

