

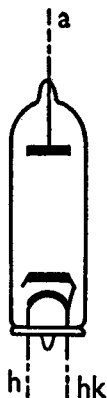


**MINIATURE  
HALF WAVE RECTIFIER  
6.3V INDIRECTLY HEATED**

**U43**  
MARCH, 1954

A High Voltage Vacuum Rectifier suitable for providing HT power for cathode ray tubes from an RF source or by rectification of the fly-back voltage.

**CONNECTIONS AND VALVE DIMENSIONS**



Bulb  
 Max. overall length: 48 mm.  
 Max. diameter: 10 mm.  
 Leads (Nominal)  
 Diameter: 45 mm.  
 Length: 32 mm.

**RATINGS (Maximum)**

	50 c/s Input	Sinusoidal Input (10—500 kc/s)	Pulsed Input*	V
$V_h$	6.3			A
$I_h$	0.09			kV
$V_{in}(rms)$	5	—	—	kV
PIV	—	17	17	mA
$I_{out}$	3.0	0.5	0.35	mA
$I_k(pk)$	18	4	80	$\mu F$
C	0.1	0.01	0.05	M $\Omega$
$R_{source}$	0.1	—	—	

\* Max. pulse duration 0.5% of the time between 2 pulses with a maximum of 5 $\mu$  secs.

**CAPACITANCE**

ca-k 0.8 pF

**SWITCHING**

Direct.

**MOUNTING**

Any position.

Leads should not be soldered closer than 5 mm. to the glass and they should not be bent nearer than 1.5 mm. from the glass.

