

## Limit Ratings

Maximum counting rate: sine wave and rectangular pulses	4,000 p.p.s.
Maximum total anode current	550 $\mu$ A
Minimum total anode current	250 $\mu$ A
Minimum anode supply voltage (normal room illumination)	400 V
Maximum potential difference between cathodes and guides	140 V
Maximum output cathode load	150 k $\Omega$
Maximum output available at 4 kc/s with a 150 k $\Omega$ cathode load resistor	35 V

## Characteristics

Running voltage at 325 $\mu$ A	192 V approx.
--------------------------------	---------------

## Recommended Operating Conditions

*Anode current	325 $\mu$ A $\pm$ 20%
**Guide bias	+36 V
Forced resetting pulse	-120 V
Double pulse drive-amplitude	-80 V $\pm$ 10 V
Double pulse drive-durations	60 $\mu$ S
Integrated pulse drive-amplitude	-145 V $\pm$ 15 V
Integrated pulse drive-duration	80 $\mu$ S
Sine wave drive-amplitude	40-70 V r.m.s.

\* The required anode current may be obtained from a 475 V supply via a 680 k $\Omega$  resistor.

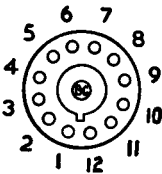
\*\* This does not apply in the case of the sine wave drive.



**Mechanical Data**

Mounting position	Any. For visual indication the tube is viewed through the dome of the bulb.
Alignment	Cathode No. 1 is aligned with pin No. 11 to an accuracy of $\pm 12^\circ$ .
Weight	53 g. (nominal).
Escutcheon	N.80977
Base	Duodecal with bottom cap.

Base Connections  
(underside view)



Pin 1	Cathode 0
2	" 9
3	" 8
4	" 7
5	" 6
6	" 5
7	" 4
8	" 3
9	" 2
10	" 1
11	2nd Guides
12	1st Guides
B.C. Anode	

