

Limit Ratings

Maximum counting rate: sine wave and rectangular pulses	4,000 p.p.s.
Maximum total anode current	350 μ A
Minimum total anode current	190 μ A
Minimum anode supply voltage (normal room illumination)	400 V
Maximum potential difference between cathodes and guides	140 V
Maximum output cathode load	270 k Ω
Maximum output available across a 270 k Ω cathode load resistor	35 V

Characteristics

Running voltage at 270 μ A	191 V
--------------------------------	-------

Recommended Operating Conditions

*Anode current	270 μ 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 μ S
Integrated pulse drive-amplitude	—145 V $\pm$ 15 V
Integrated pulse drive-duration	80 μ S
Sine wave drive-amplitude	40—70 V r.m.s.

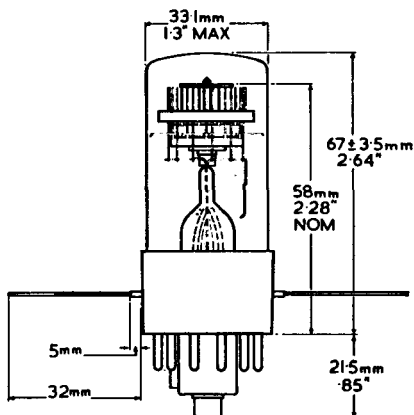
Mechanical Data

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. 12 to an accuracy of $\pm$ 10°.
Weight	50 g (nominal).
Escutcheon	N.84538.
Base	Duodecal with bottom cap and two flying leads.

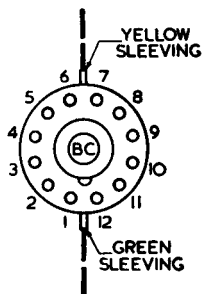
* The required anode current may be obtained from a 475 V supply via a 910 k Ω resistor.

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

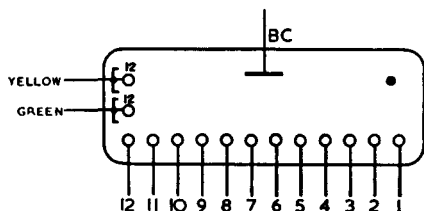




**Base Connections
(underside view)**



Pin	1	Cathode 0
2	"	11
3	"	10
4	"	9
5	"	8
6	"	7
7	"	6
8	"	5
9	"	4
10	"	3
11	"	2
12	"	1
Bottom Cap		Anode



Lead between pins
6 and 7 with yellow
sleeving 1st Guides

Lead between pins
12 and 1 with green
sleeving 2nd Guides