

Miniature Bi-directional 10-way Computing Tube

GC10/2P

Limit Ratings

Maximum counting rate: sine wave and rectangular pulses	1,000 p.p.s.
Minimum counting rate	1 p.p. hour
Maximum total anode current	500 μ A
Minimum total anode current	315 μ A
Minimum anode to cathode supply voltage (normal room illumination)	320 V
Maximum potential difference between cathodes and guides	140 V
Maximum output cathode load	150 k Ω
Output pulse produced across the above	35 V

Characteristics

Running voltage at 350 μ A	190 V approx.
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Recommended Operating Conditions

*Anode current	350 μ A $\pm$ 10%
**Guide bias	+18 V
Bias on output cathode resistor	—20 V
Forced resetting pulse	—120 V
Double pulse drive—amplitude	—80 V $\pm$ 10 V
Double pulse drive—durations	300 μ S
Integrated pulse drive—amplitude	—145 V $\pm$ 15 V
Integrated pulse drive—duration	350 μ S
Integrated pulse drive—min. quiescent time	650 μ S
Sine wave drive—amplitude	40—75 V r.m.s.

* The required anode current may be obtained from a 475 V supply via an 820 k Ω resistor.

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



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Mechanical Data

Mounting position

Any.

For visual indication the tube is viewed through the dome of the bulb.

Alignment

Cathode "O" is approximately aligned with pin No. 5.

Weight

13 g (nominal).

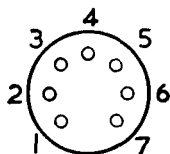
Escutcheon

N.84338.

Base

B7G

Base Connections
(underside view)



- Pin 1 Do not connect
 2 1st Guides
 3 Common cathodes
 4 2nd Guides
 5 Cathode 0
 6 Cathode 9
 7 Anode

