

Reference Tube

GD 86 W/S
(CV.2321)

Limit Ratings

Minimum anode current	50 μ A
Maximum anode current	1.0 mA
Maximum striking voltage (normal room illumination)	125 V
Temperature coefficient (over range 20-100°C.)	-5 mV per °C.

N.B.—Equilibrium conditions are reached after 90 seconds operation.

Characteristics

Running voltage at 500 μ A	86 \pm 1.5 V
Recommended current range when used as a reference tube	400 μ A—1.0 mA
Impedance over range 400 μ A—1.0 mA	5,500 Ω
Maximum noise generated by the tube over a band width of 50—5,000 c/s at 500 μ A	220 μ V r.m.s.
Maximum % variation of V_R during the first 3,000 hours at 500 μ A	2%
Typical drift of V_R per 1,000 hours after the first 1,500 hours	0.09%
There is no step or discontinuity in the I_a/E_a curve for currents greater than 400 μ A.	

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Mechanical Data

Mounting position	Any
Weight	7.0 g (nominal)
Connections	Wire leads

The anode lead is taken from the end nearest the exhaust pip, and is marked with a red spot.

To prevent damage to the tube, the leads should not be soldered or bent nearer than 5 mm. ($\frac{1}{4}$ ") from the glass seal.

