

Ruggedized Sub-Miniature Voltage Reference Tube

GD 85 WR

Limit Ratings

Minimum anode current	0.5 mA
Maximum anode current	5.0 mA
Minimum supply voltage	
(In total darkness or normal room illumination)	125 V
Maximum temperature coefficient	
—60° to +25°C	—10 mV/°C
+25° to +90°C	—7 mV/°C
Maximum acceleration in accordance with B.S.G.100	
—Vibration Grade 1.	

Characteristics (at +25°C)

Running voltage at 1.5 mA	85 V + 3 V — 1 V
Regulation 1.2 to 2.0 mA	1 V
0.5 to 5.0 mA	5 V
Maximum noise over working range	2 mV p.p.
Vibration noise	
(Acceleration 5g min. at 50 c.p.s.)	50 mV p.p. max.
Voltage Jumps 1.0 to 5.0 mA	5 mV pk. max.
0.5 to 1.0 mA	100 mV pk. max.



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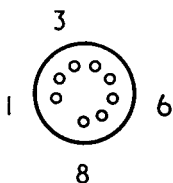
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Mechanical Data

Mounting position Any
 Base B8D/F (4 wire flying-lead)

N.B.—Direct soldered connections to the leads must be at least 5 mm ($\frac{1}{4}$ ") from the seal and any bending of the leads must be at least 1.5 mm ($\frac{1}{16}$ ") from the seal.

Base Connections
 (underside view)



- 1 Cathode
- 2 Lead omitted
- 3 Anode
- 4 Lead omitted
- 5 Lead omitted
- 6 Cathode
- 7 Lead omitted
- 8 Anode

