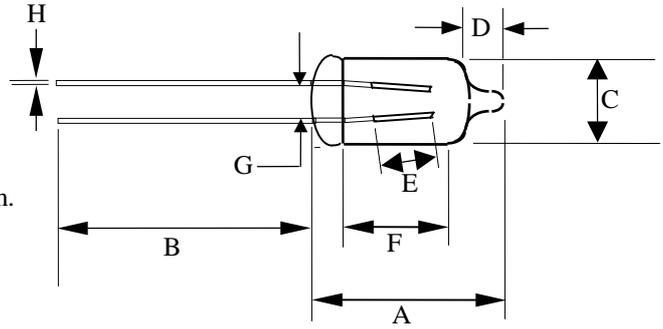


# PRODUCT DATASHEET

## 12.5/25HB High Brightness Neon Lamp

### OUTLINE DRAWING

- A : 11.3 min – 12.5 max.
- B : 25.0 min - 27.0 max.
- C : 5.95 max including seal.
- D : 4.0 max from shoulder.
- E : 3.0 ± 0.25.
- F : Wall sides shall be parallel for a minimum of 5mm.
- G : 3.0 min between lead wires at exit from glass.
- H : 0.4 ± 0.03.



All dimensions in mm

Drawing not to scale

### OPERATING DATA

Type	Brightness	Nominal Current	Maximum Striking Voltage	Recommended Series Resistor Value		Life Expectancy (ac operation)
				110 - 120V (ac only)	220 - 250V (ac or dc)	
12.5/25HB	High	1.8mA	95Vac	56 Kohm	180 Kohm	10,000 hours

Operating temperature: - 50°C to + 160°C

Life expectancy is average time to half initial light output level at nominal current.

Current may be increased or decreased from the nominal value, when the life expectancy will vary according to a 3.3 power law:

$$L_2 = L_1 \left( \frac{I_1}{I_2} \right)^{3.3}$$

Neon lamps should not be operated at more than twice the nominal current.

Operation at currents below the nominal value may result in the discharge becoming unstable (ie lamps flicker).

Issue No.	Date	C.N. No.	Drawn	Tech	QA	M & P	Sales
1	13/05/04	-	BCW	Approved			