

# Ferranti

## STROBOSCOPIC LIGHT SOURCE

A Xenon filled stroboscopic Flash Tube designed for low voltage operation in applications requiring a linear source at low repetition rates. It emits a white light.

### PHYSICAL DETAILS.

|                                   |                |
|-----------------------------------|----------------|
| Electrode Connections ... ..      | Flexible Leads |
| Max. Overall Length (excl. leads) | 95 mm. (3.7")  |
| Min. Lead Length ... ..           | 50 mm. (1.9")  |
| Max. Diameter of Glass Tube ...   | 8 mm. (0.3")   |
| Effective Flash Length ... ..     | 40 mm. (1.6")  |

For other dimensions see outline drawing.

### ELECTRODE CONNECTIONS.

The anode lead is marked red.

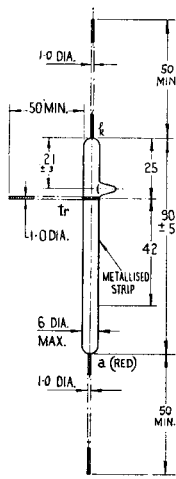
### RATINGS.

|                                     |                |
|-------------------------------------|----------------|
| Max. Anode Voltage (Static) ... ..  | 600 volts      |
| Max. Anode Voltage (Working) ... .. | 550 volts      |
| Min. Anode Voltage (Working) ... .. | 350 volts      |
| Max. Flash repetition rate ... ..   | 10 per sec     |
| Max. Dissipation ... ..             | 10 watts       |
| Min. Charging Resistor ... ..       | 7.5 k $\Omega$ |

### TYPICAL OPERATION.

|                           |        |                |
|---------------------------|--------|----------------|
| DC. Supply Voltage ... .. | 350    | 500 volts      |
| *Trigger Voltage ... ..   | 4 to 6 | 4 to 6 kV      |
| Charging Resistor ... ..  | 7.5    | 7.5 k $\Omega$ |
| Discharge Capacitor:—     |        |                |
| 0—10 f.p.s. ... ..        | 32     | 8.0 $\mu$ F    |

ED50



Dimensions  
in Millimetres

\*A suitable trigger pulse transformer is Ferranti Type PT.56.

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