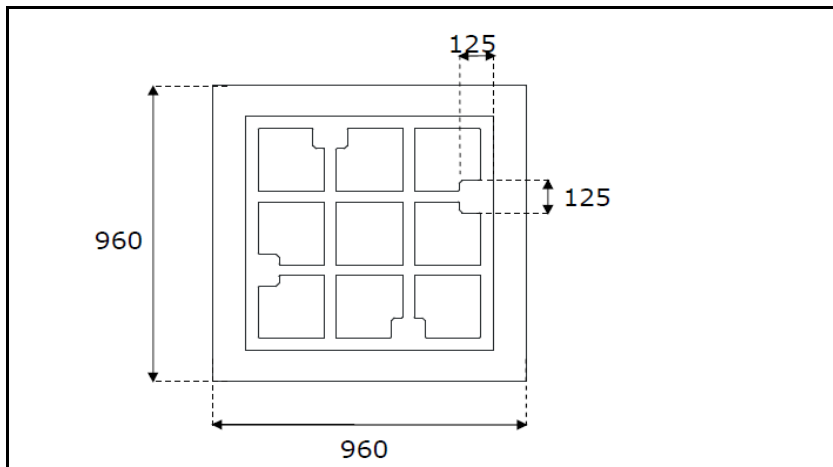


| Radiation | Type | Electrodes     |
|-----------|------|----------------|
| Deep Red  | DDH  | N (cathode) up |

| Dimensions  |
|---|
|  <p>Typ. Thickness: 150 (±25) μm<br/>           Cathode: gold alloy, 1.5 μm<br/>           Anode: gold alloy, 0.5 μm structured, 25% covered</p> |

## Electrical & Optical Characteristics (Ta = 25°C)

| ITEMS                     | SYMBOL | CONDITIONS | MIN  | TYP | MAX | UNIT |
|---------------------------|--------|------------|------|-----|-----|------|
| Forward Voltage           | Vf     | If=20mA    | --   | 1.7 | 2.0 | V    |
| Forward Voltage           | Vf     | If=300mA   | --   | 2.0 | 2.4 | V    |
| Reverse Voltage           | Vr     | Ir=100μA   | 5    | --  | --  | mW   |
| Radiant Power             | Φe     | If=20mA    | 0.75 | 1.0 | --  | mW   |
| Radiant Power             | Φe     | If=300mA   | 18   | 24  | --  | mW   |
| Switching Time            | tr, tf | If=20mA    | --   | 40  | --  | ns   |
| Peak Wavelength           | λp     | If=300mA   | 685  | 700 | 710 | nm   |
| Spectral Bandwidth at 50% | Δλ0.5  | If=300mA   | --   | 40  | --  | nm   |

## Absolute Maximum Ratings (Ta = 25°C)

| ITEMS              | SYMBOL | RATINGS | UNIT |
|--------------------|--------|---------|------|
| Forward DC Current | If     | 350     | mA   |



We reserve the right to make changes to improve technical design and may do so without further notice. Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.

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