

## Peak Emission Wavelength: 525nm

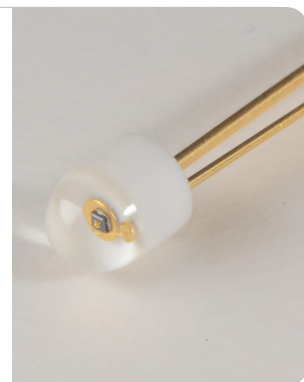
The 525nm visible emitter series is designed for applications requiring high output and precise optical / mechanical axis alignment. Custom package solutions and sorting are available.

### FEATURES

- > Ceramic Package
- > High Output Power
- > Compact
- > Wide Viewing Angle

### APPLICATIONS

- > Display
- > Indicators
- > Light Source for Sensor
- > Optical Switches



## Absolute Maximum Ratings (Ta=25°C)

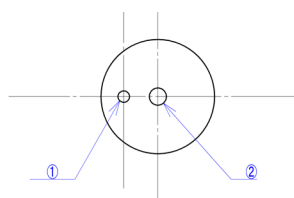
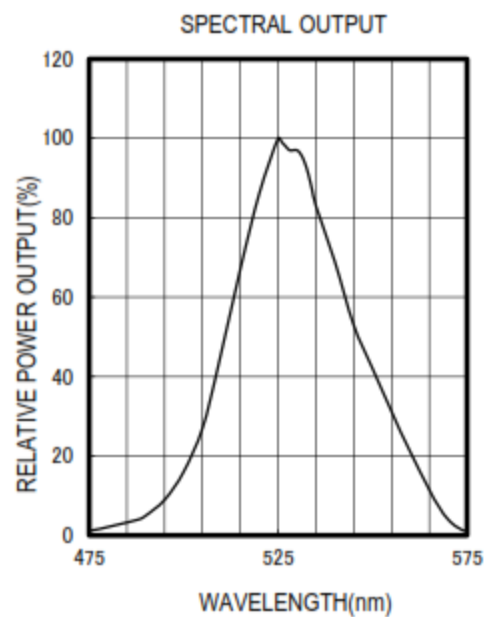
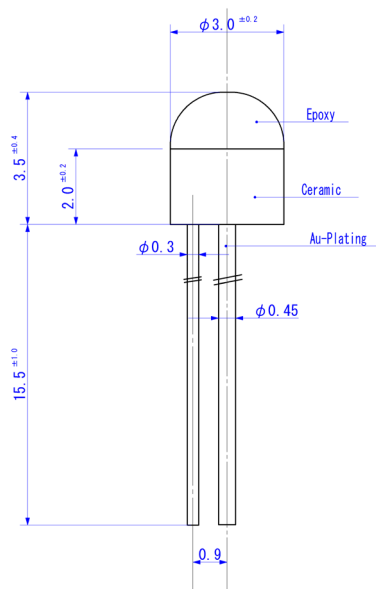


| ITEMS                        | SYMBOL | RATINGS    | UNIT |
|------------------------------|--------|------------|------|
| Forward Current (DC)         | IF     | 20         | mA   |
| Forward Current (Pulse)*1    | IFP    | 100        | mA   |
| Reverse Voltage              | VR     | 5          | V    |
| Power Dissipation            | PD     | 80         | mW   |
| Operating Temperature Range  | Topr   | -20 ~ +80  | °C   |
| Storage Temperature Range    | Tstg   | -30 ~ +100 | °C   |
| Junction Temperature         | Tj     | 100        | °C   |
| Lead Soldering Temperature*2 | Tls    | 260        | °C   |

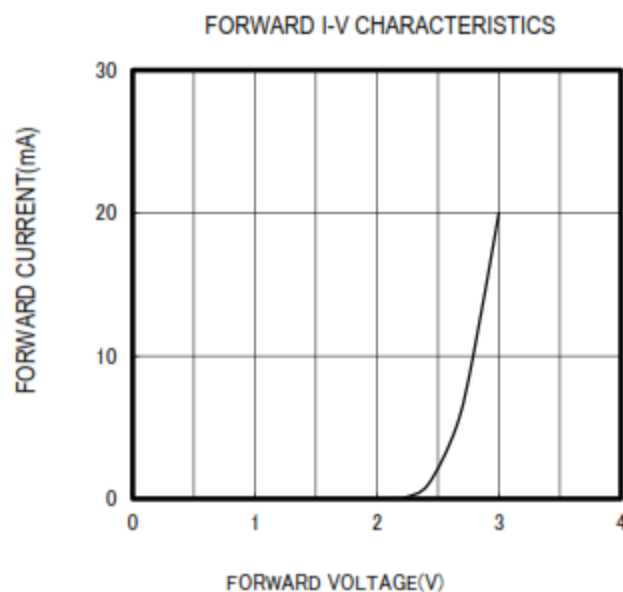
\*1: Tw=10μsec, T=10msec. \*2: Time 5 Sec max, Position: Up to 3mm from the body.

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

| ITEMS                     | SYMBOL | CONDITIONS | MIN | TYP | MAX | UNIT |
|---------------------------|--------|------------|-----|-----|-----|------|
| Power Output              | PO     | IF=20mA    | --  | 5.0 | --  | mW   |
| Forward Voltage           | VF     | IF=20mA    | --  | 3.0 | 3.5 | V    |
| Reverse Current           | IR     | VR=5V      | --  | --  | 100 | μA   |
| Peak Emission Wavelength  | λp     | IF=20mA    | --  | 525 | --  | nm   |
| Spectral Line Half Width  | Δλ     | IF=20mA    | --  | 35  | --  | nm   |
| Half Intensity Beam Angle | Θ      | IF=20mA    | --  | ±70 | --  | deg  |



① Anode                      ② Cathode

Unit: mm, Tolerance:  $\pm 0.2$

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