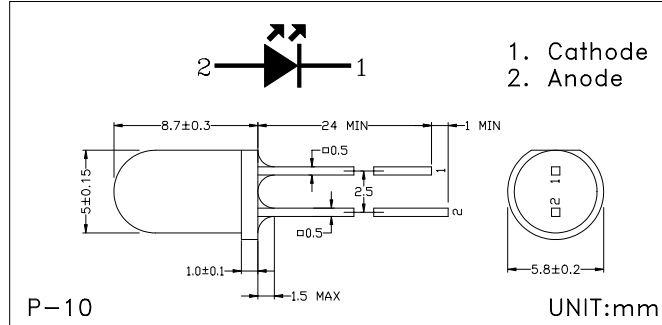


Module No.: W05310YSD-OM

### Features:

Ø5mm  
YELLOW  
Diffuse  
Super Bright

### Dimensions



### Absolute Maximum Ratings

(Ta=25°C)

| Descriptions               | Symbol | Value     | Unit |
|----------------------------|--------|-----------|------|
| Continuous Forward Current | IF     | 30        | mA   |
| Peak Forward Current *1    | IFM    | 35        | mA   |
| Reverse Voltage            | VR     | 5         | V    |
| Operating Temperature      | Topr   | -25 ~ +65 | °C   |
| Storage Temperature        | Tstg   | -25 ~ +85 | °C   |
| Soldering Temperature *2   | Tsol   | 260       | °C   |

\*1 Duty ratio = 1/10, Pulse width = 0.1ms.

\*2 At the position of 2mm from the bottom face of resin package within 5 sec.

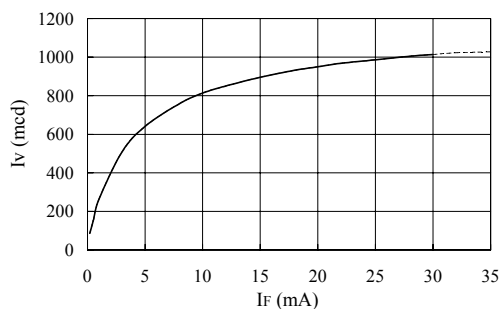
### Electro-optical Characteristics

(Ta=25°C)

| Descriptions                 | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|------------------------------|--------|------------|------|------|------|------|
| Forward Voltage              | VF     | IF=20mA    |      | 2.1  | 2.8  | V    |
| Luminous Intensity *3        | Iv     | IF=20mA    | 580  | 950  |      | mcd  |
| Peak Emission Wavelength     | λp     | IF=20mA    |      | 585  |      | nm   |
| Spectrum Radiation Bandwidth | Δλ     | IF=20mA    |      | 15   | 20   | nm   |
| Half Power Beam Angle        | Δθ     |            |      | ±30  |      | deg. |
| Terminal Capacitance         | Ct     |            |      | 25   |      | pF   |
| Response Frequency           | fc     |            |      | 8    |      | MHz  |

\*3 Tolerance: ±30%

Luminous Intensity vs  
Forward Current



Radiation Diagram

