OptoSupply

# 5mm Concave Warm White LED

## OSM5DL5MC1B

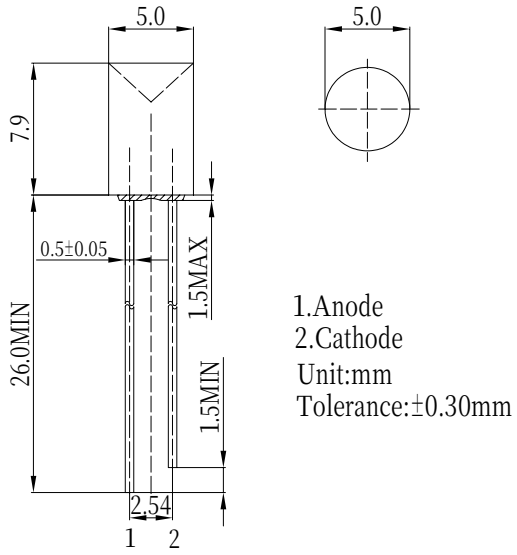
## ■Features

- High Luminous LEDs
- 5mm Concave Standard Directivity
- Long Lifetime Operation (Up to 100,000 hours)
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

## ■Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

## ■Outline Dimension



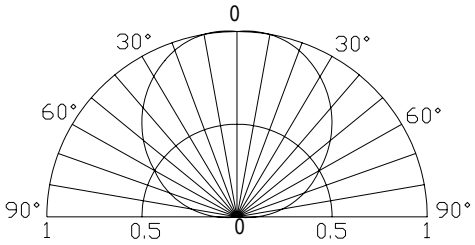

1.Anode
2.Cathode
Unit:mm
Tolerance:±0.30mm

## ■Absolute Maximum Rating (Ta=25℃)

| Item | Symbol | Value | Unit |
|---|---|---|---|
| DC Forward Current | $I_F$ | 30 | mA |
| Pulse Forward Current* | $I_{FP}$ | 100 | mA |
| Reverse Voltage | $V_R$ | 5 | V |
| Power Dissipation | $P_D$ | 108 | mW |
| Operating Temperature | Topr | -30 ~ +85 | ℃ |
| Storage Temperature | Tstg | -40 ~ +100 | ℃ |
| Lead Soldering Temperature | Tsol | 260℃/5sec | - |

*Pulse width Max 10ms , Duty ratio max 1/10

## ■Directivity




## ■Electrical -Optical Characteristics (Ta=25℃)

| Item | Symbol | Condition | Min. | Typ. | Max. | Unit |
|---|---|---|---|---|---|---|
| DC Forward Voltage | $V_F$ | $I_F$=20mA | 2.9 | 3.1 | 3.6 | V |
| DC Reverse Current | $I_R$ | $V_R$=5V | - | - | 10 | μA |
| Luminous Intensity* | Iv | $I_F$=20mA | - | 70 | - | mcd |
| Chromaticity Coordinates* | x | $I_F$=20mA | - | 0.45 | - | |
| | y | $I_F$=20mA | - | 0.41 | - | |
| 50% Power Angle | $2\theta_{1/2}$ | $I_F$=20mA | - | 120 | - | deg |

*1 Tolerance of chromaticity coordinates is ±10%
*2 Tolerance of luminous intensity is ±15%

**LED & Application Technologies**

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES

VER A.0