**9.2x8x1.92mm Commercial H Power Cool White LED**

**OSW4XACHC1E**

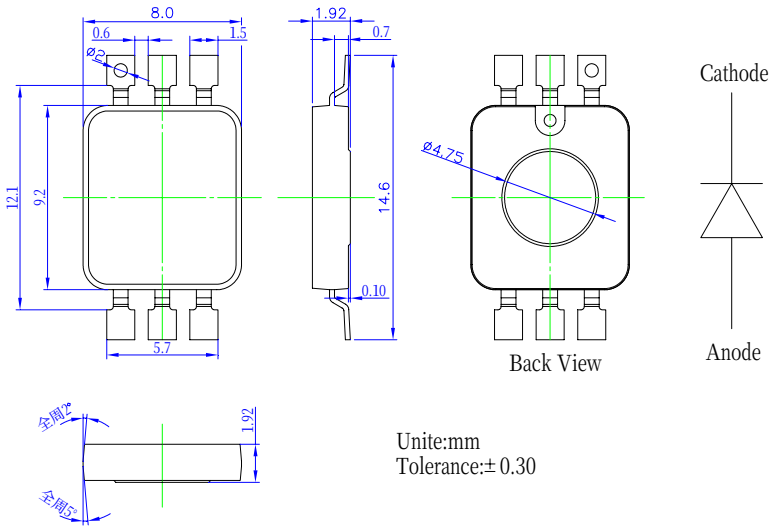
## ▪Features

- Highest luminous flux
- Super energy efficiency
- Very long operating life (up to 100K hours)
- Superior ESD protection
- No UV

## ▪Applications

- Read lights (car, bus, aircraft)
- Portable (flashlight, bicycle)
- Bollards / Security / Garden
- Traffic signaling / Beacons
- In door / Out door Commercial lights
- Automotive Ext

## ▪Outline Dimension



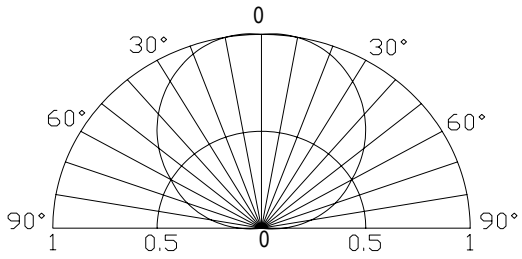

Unite:mm
Tolerance:± 0.30

## ▪Absolute Maximum Rating (Ta=25℃)

| Item | Symbol | Value | Unit |
|---|---|---|---|
| DC Forward Current | $I_F$ | 200 | mA |
| Pulse Forward Current* | $I_{FP}$ | 250 | mA |
| Reverse Voltage | $V_R$ | 5 | V |
| Power Dissipation | $P_D$ | 800 | 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

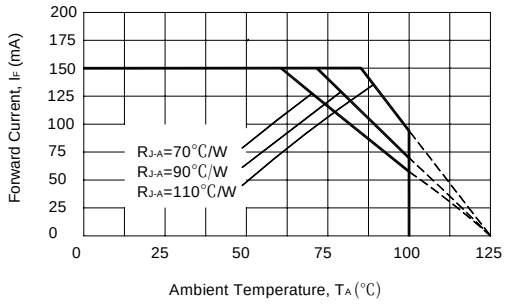



## ■Electrical -Optical Characteristics (Ta=25℃)

| Item | Symbol | Condition | Min. | Typ. | Max. | Unit |
|---|---|---|---|---|---|---|
| DC Forward Voltage | $V_F$ | $I_F$=150mA | 3.0 | 3.3 | 4.0 | V |
| DC Reverse Current | $I_R$ | $V_R$=5V | - | - | 10 | μA |
| Luminous Flux | Φv | $I_F$=150mA | - | 30 | 45 | lm |
| Color Temperature | CCT | $I_F$=150mA | - | 6500 | - | K |
| Chromaticity Coordinates* | x | $I_F$=150mA | - | 0.31 | - | - |
| | y | $I_F$=150mA | - | 0.33 | - | - |
| 50% Power Angle | $2\theta_{1/2}$ | $I_F$=150mA | - | 120 | - | deg |

Note: Don't drive at rated current more than 5s without heat sink for Commercial H Power emitter series.

## ■Forward Operating Current (DC)




**LED & Application Technologies**

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES