



OptoSupply

Light It Up

6W Pure White Star COB LED

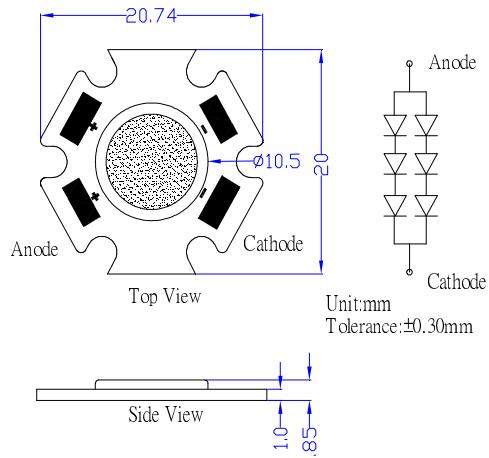
OSW4X3CAC1E

VER.A.1

■Features

- Highest luminous flux
- Super energy efficiency
- Very long operating life
- Superior UV Resistance

■Outline Dimension



■Applications

- Small Area Illuminations
- Back Lighting
- Other Lighting
- Indoor Lighting

■Absolute Maximum Rating

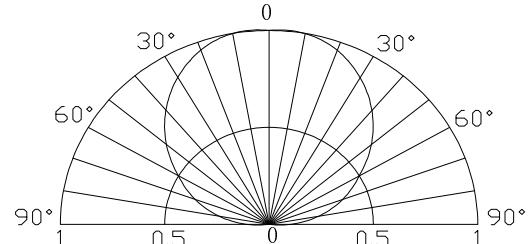
(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	700	mA
Pulse Forward Current*	I _{FP}	2000	mA
Reverse Voltage	V _R	15	V
Power Dissipation*	P _D	8,400	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T _{sol}	260°C/5sec	—

*1, Power dissipation and forward current are the value when the module temperature is set lower than the rating by using an adequate heat sink.

*2, Pulse width Max.5ms Duty ratio max 1/20

■Directivity



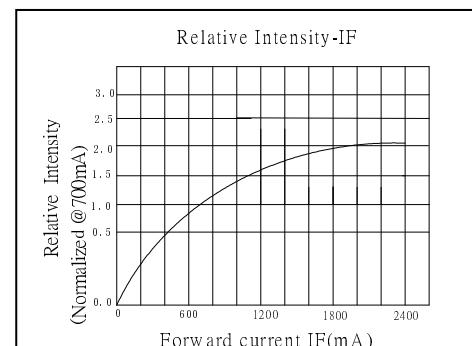
■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V _F	I _F =700mA	9.0	10.5	12	V
DC Reverse Current	I _R	V _R =15V	-	-	10	μA
Luminous Flux *	Φ v	I _F =700mA	600	700	-	lm
Color Temperature	CCT	I _F =700mA	5500	6500	8000	K
Chromaticity Coordinates*	x	I _F =700mA	-	0.31	-	-
	y	I _F =700mA	-	0.33	-	-
50% Power Angle	20 _{1/2}	I _F =700mA	-	120	-	deg

Note: *1. Tolerance of chromaticity coordinates is $\pm 10\%$ *2. Chromaticity Coordinates tolerance: $\pm 15\%$

*3. Tolerance of luminous Flux is $\pm 15\%$ *4. Don't drive at rated current more than 5s without heat sink for High Power emitter series.



LED & Application Technologies



REACH
The new EU chemicals legislation

