OptoSupply
Light It Up

3.0x3.0x0.62mm Power Top 1 Power LED

OSXX3030C1H-350mA

VER A.1

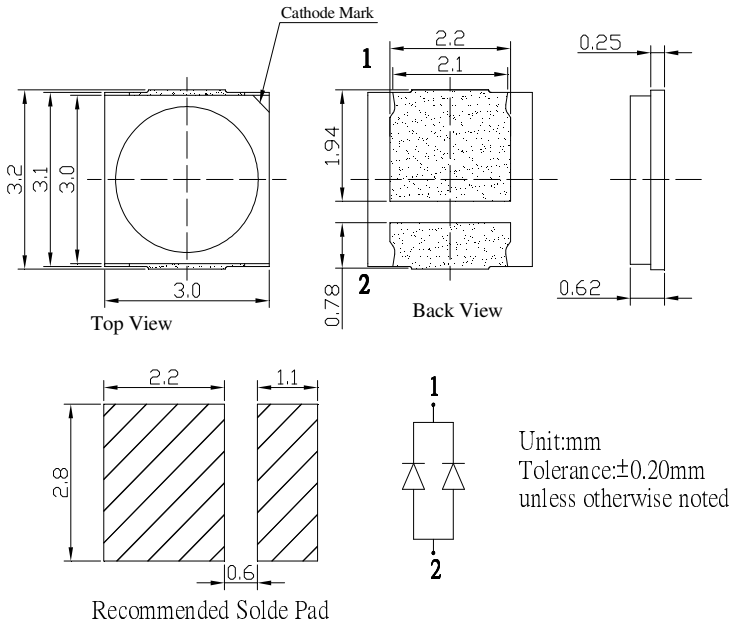
▪Features

- Highest luminous flux
- Super energy efficiency
- Long lifetime operation
- Superior UV Resistance

▪Applications

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

▪Outline Dimension



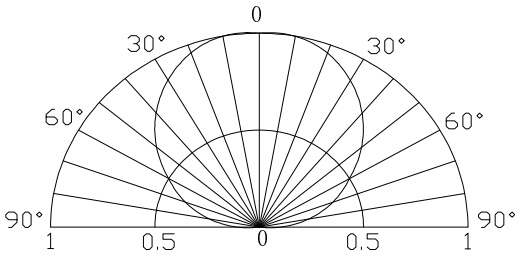
Unit:mm
Tolerance:±0.20mm
unless otherwise noted

▪Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	350	mA
Pulse Forward Current*	I_{FP}	500	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	1190	mW
Operating Temperature	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-40 ~ +100	℃
Lead Soldering Temperature	Tsol	260℃/10sec	-

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

▪Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Part Number	Color			V_F (V)			I_R(μA)	Φv(lm)*			\Wd(nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I_F=350mA			V_R=5V	I_F=350mA						
OSW43030C1H-350mA	White	W		2.8	3.0	3.4	20	80	100	-	CCT:6000~7000K			120
OSM53030C1H-350mA	Warm White	M		2.8	3.0	3.4	20	80	100	-	CCT:2800~3200K			120

*1 Tolerance of measurements of chromaticity coordinate is ±10%
*2 Tolerance of measurements of dominant wavelength is ±1nm
*3 Tolerance of measurements of luminous flux is ±15%
*4 Tolerance of measurements of forward voltage is±0.1V
*5. Don't drive at rated current more than 5s without heat sink for Power Top 1 emitter series.