OptoSupply

3.5x2.8x1.9mm Pure Green Power Top H SMD LED

OSG5XAS3C1H

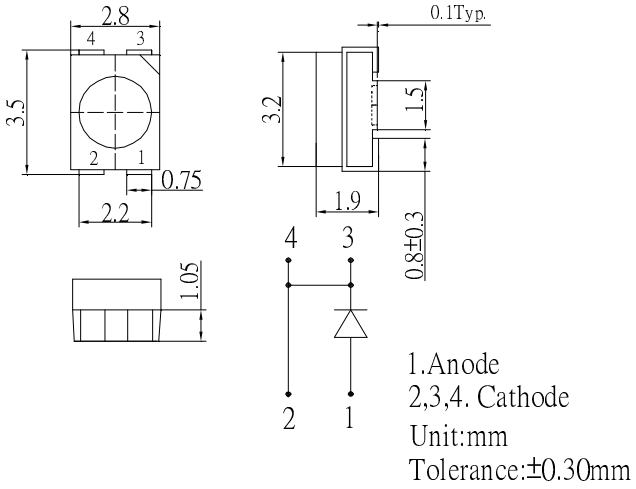
■Features

- Highest Luminous PLCC4 Power Top SMD LEDs
- Super energy efficiency
- Superior Weather-resistance
- 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

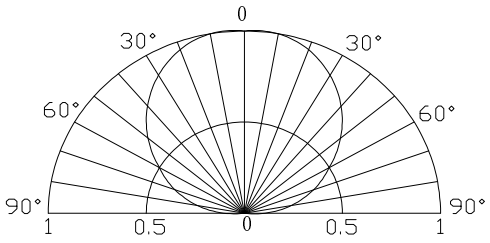


■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	120	mA
Pulse Forward Current*	I_{FP}	200	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	480	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=70mA	3.0	3.3	4.0	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Domi Wavelength	λ_D	I_F=70mA	520	525	530	nm
Luminous Intensity	Iv	I_F=70mA	-	4500	-	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=70mA	-	120	-	deg