OptoSupply
Light It Up

3mm Round Orange & Pure Green LED

OSOPJC3131A

209 Serise

■Features

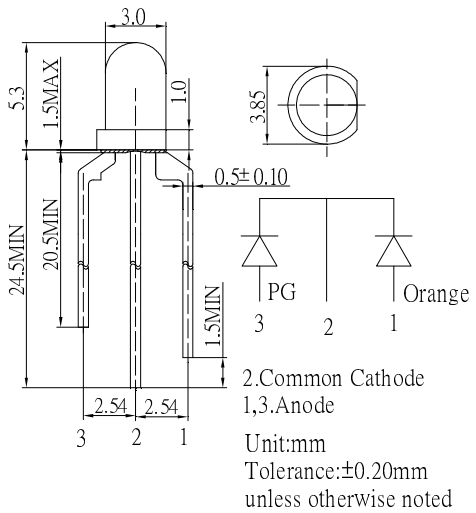
- High Luminous LEDs
- 3mm Round Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

• Everlight :209 Serise

■Applications

- Toys
- Games
- Audio
- Other Lighting

■Outline Dimension

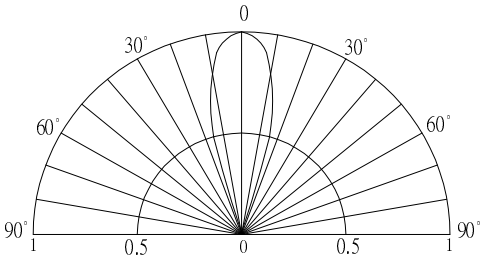


■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		Orange	PG	
DC Forward Current	I_F	30	30	mA
Pulse Forward Current*	I_{FP}	100	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	78	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 (OR)	I_F=20mA	1.8	2.1	2.6	V
DC Forward Voltage	V_F (PG)	I_F=20mA	2.8	3.1	3.6	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Domi. Wavelength*	λ_D (OR)	I_F=20mA	600	605	610	nm
	λ_D (PG)	I_F=20mA	585	590	595	nm
Luminous Intensity*	I_V (OR)	I_F=20mA	750	1120	-	mcd
	I_V (PG)	I_F=20mA	7000	8400	-	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	30	-	deg

*1 Tolerance of measurements of dominant wavelength is ±1nm
*2 Tolerance of measurements of luminous intensity is ±15%
*3 Tolerance of measurements of forward voltage is ±0.1V