



OptoSupply

Light It Up

3mm Concave Pure Green LED

OSG5DA33C1A

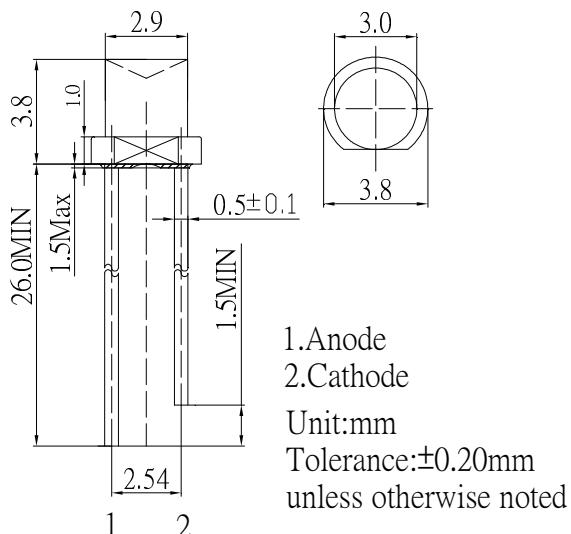
■Features

- High Luminous LEDs
- 3mm Concave Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■Outline Dimension



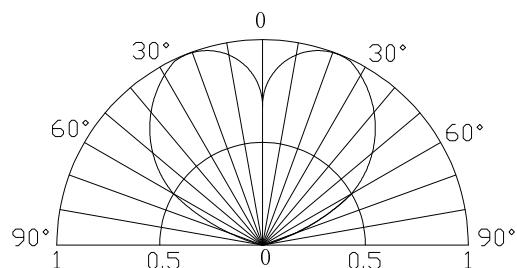
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	30	mA
Pulse Forward Current*	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	108	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T _{sol}	260 °C/5sec	-

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

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V _F	I _F =20mA	-	2.9	3.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength*	λ _D	I _F =20mA	520	525	530	nm
Luminous Intensity*	I _V	I _F =20mA	500	750	-	mcd
50% Power Angle	2θ _{1/2}	I _F =20mA	-	120	-	deg

*₁ Tolerance of measurements of dominant wavelength is $\pm 1\text{nm}$

*₂ Tolerance of measurements of luminous intensity is $\pm 15\%$

*₃ Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$

LED & Application Technologies

