

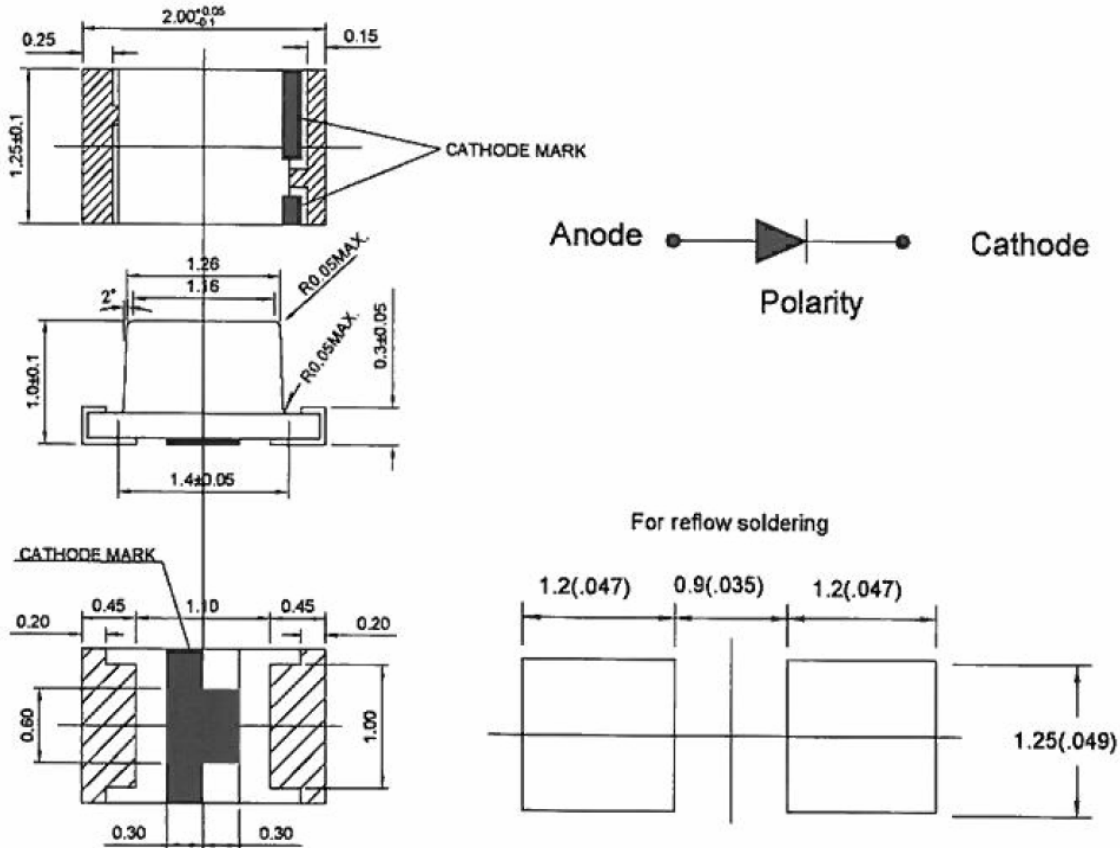


# SHARLIGHT ELECTRONICS CO., LTD.

## SPECIFICATION FOR APPROVAL

Part No. : SLM-0805UG40-BL-A

### Package Dimensions



Part NO.	Chip Material	Lens Color	Emission Color
SLM-0805UG40-BL	AlGaInP	Water Clear	Green

#### Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25$ mm(.010") unless otherwise noted.
3. Protruded resin under flange is 1.0mm(.04") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.

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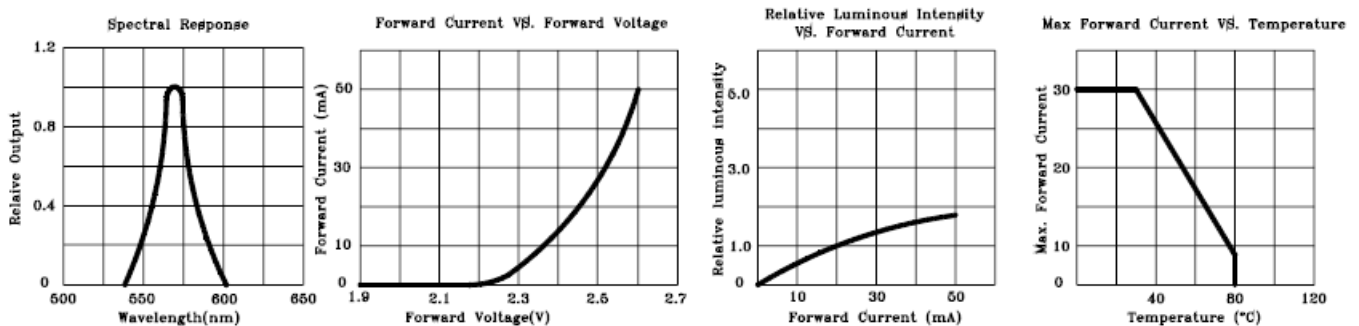
### Absolute Maximum Ratings at TA=25°C

Parameter	Maximum Rating	Unit
Power Dissipation	52	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	20	mA
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +85°C	
Soldering Temperature	Max 260°C for 5 Seconds	

### Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	IV	18.5	35		mcd	IF = 20mA
Viewing Angle	2θ 1/2		120		deg	IF = 20mA
Peak Emission Wavelength	λ P		570		nm	IF = 20mA
Dominant Wavelength	λ d	566		576	nm	IF = 20mA
Spectral Line Half-Width	Δ λ		30		nm	IF = 20mA
Forward Voltage	VF		2.0	2.6	V	IF = 20mA
Reverse Current	IR			100	μ A	VR = 5V

### TYPICAL ELECTRON-OPTICAL CHARACTERISTIC CURVES 25°C Free Air Temperature Unless Otherwise Specified



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