

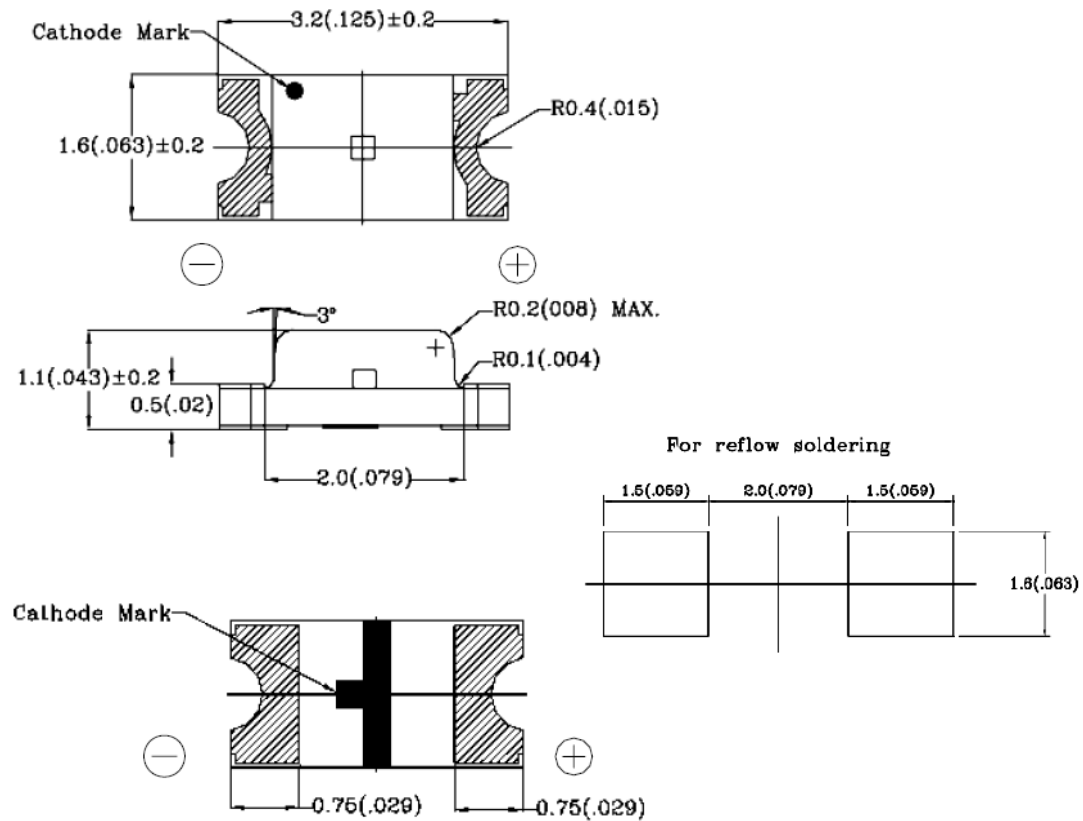


# SHARLIGHT ELECTRONICS CO., LTD.

## SPECIFICATION FOR APPROVAL

Part No. : SLM-1206NB40-BL-2

### Package Dimensions



Part NO.	Chip Material	Lens Color	Emission Color
SLM-1206NB40-BL-2	InGaN	Water Clear	Blue

#### Notes:

- All dimensions are in millimeters (inches).
- Tolerance is  $\pm 0.25\text{mm}(.010\text{'})$  unless otherwise noted.
- Protruded resin under flange is  $1.0\text{mm}(.04\text{'})$  max.
- Lead spacing is measured where the leads emerge from the package.
- Specifications are subject to change without notice.

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REV : A



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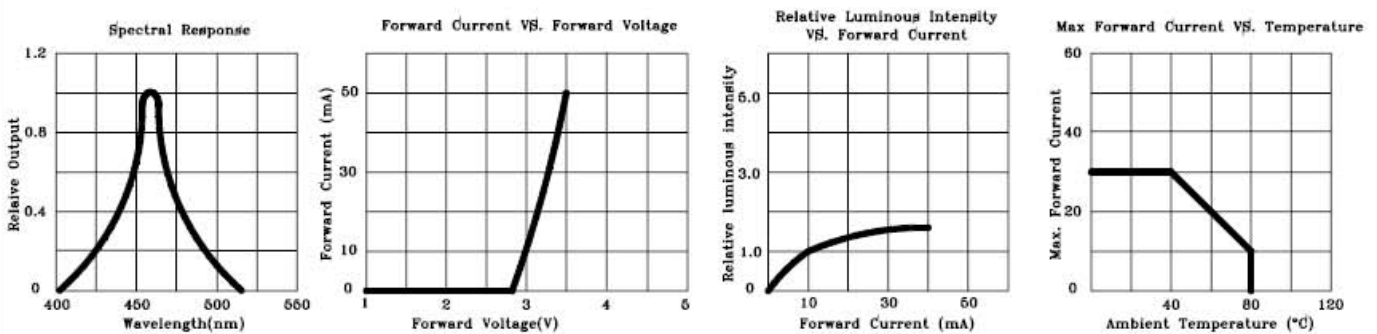
### Absolute Maximum Ratings at TA=25°C

Parameter	Maximum Rating	Unit
Power Dissipation	16	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	Reflow Soldering : 260°C for 5 Seconds Max Hand Soldering : 300°C for 3 Seconds Max	

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	IV	12.3	25		mcd	IF = 5mA
Viewing Angle	2θ 1/2		120		deg	IF = 5mA
Peak Emission Wavelength	λ P		460		nm	IF = 5mA
Dominant Wavelength	λ d	465		470	nm	IF = 5mA
Spectral Line Half-Width	Δ λ		30		nm	IF = 5mA
Forward Voltage	VF		2.8	3.2	V	IF = 5mA
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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