

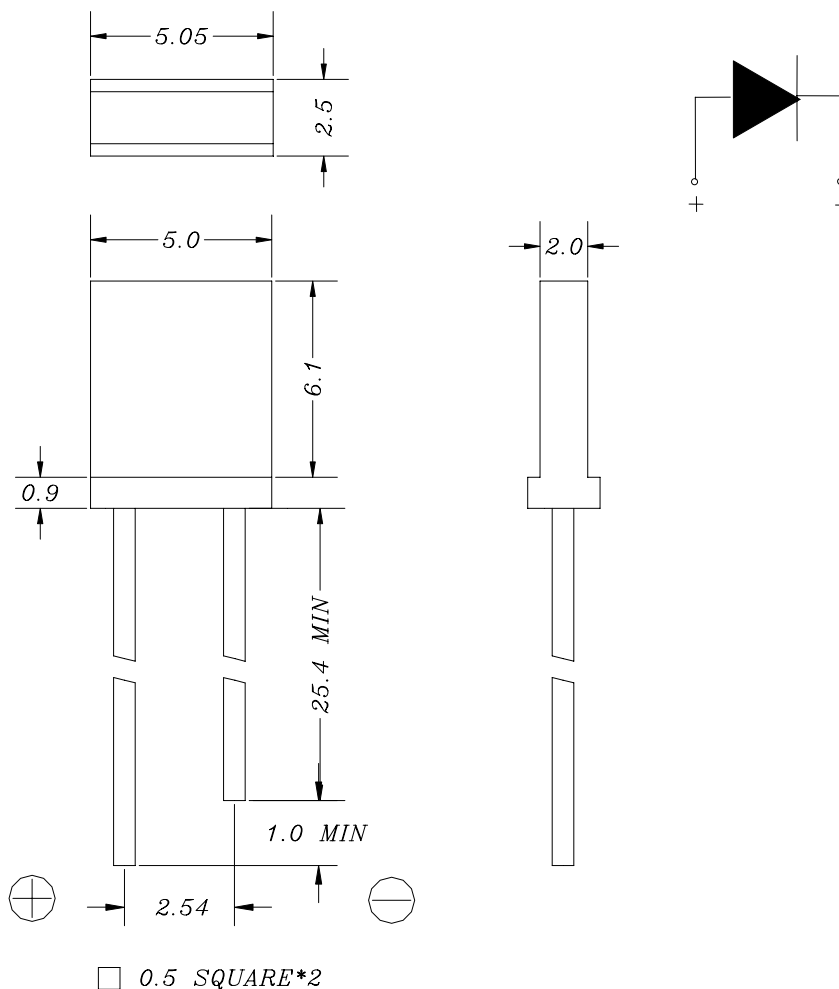


SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

Part No. : SLB-025NB10-A0010-LL

Package Dimensions



Part NO.	Chip Material	Lens Color	Emission Color
SLB-025NB10-A0010-LL	InGaN	Blue Diffused	Super Bright Blue

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}(.010")$ 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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SPECIFICATION FOR APPROVAL

Part No. : SLB-025NB10-A0010-LL

Absolute Maximum Ratings at TA=25°C

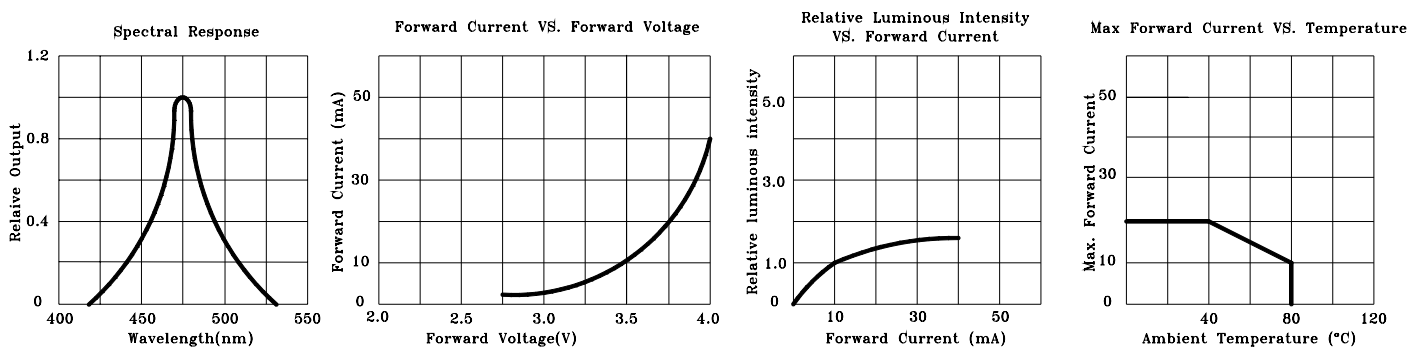
Parameter	Maximum Rating	Unit
Power Dissipation	80	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	20	mA
Reverse Voltage	5	V
Operating Temperature Range	-30°C to + 80°C	
Storage Temperature Range	-40°C to + 100°C	
Soldering Temperature[4mm(.157")From Body]	280°C for 5 Seconds	
Reflow Soldering	NO	

Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	IV	63	140		mcd	IF = 20mA
Viewing Angle	2 θ 1/2	130	140	150	deg	IF = 20mA
Peak Emission Wavelength	λP		468		nm	IF = 20mA
Dominant Wavelength	λd	460	470	475	nm	IF = 20mA
Spectral Line Half-Width	$\Delta \lambda$		40		nm	IF = 20mA
Forward Voltage	VF		3.5	4.0	V	IF = 20mA
Reverse Current	IR			10	μA	VR = 5V

TYPICAL ELECTRON-OPTICAL CHARACTERISTIC CURVES

25°C Free Air Temperature Unless Otherwise Specified



LISTER : 葉芃 07-08-10

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DATE : 07-08-10

REV : A