

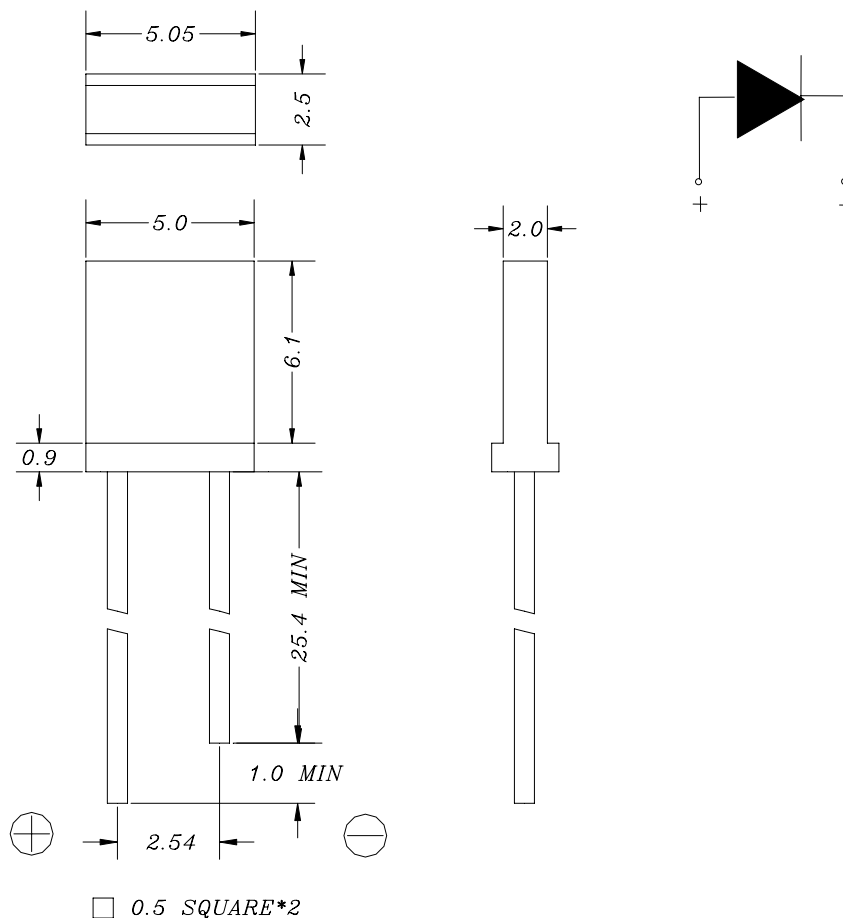


SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

Part No. : SLB-025UR10-30010-LL

Package Dimensions



Part NO.	Chip Material	Lens Color	Emission Color
SLB-025UR10-30010-LL	AlGaInP	Red Diffused	Super Bright Red

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 $1.0\text{mm}(.04")$ max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.

LISTER : 王蓁穎 08-17-11

EDITOR : 周素華 08-17-11

DATE : 08-17-11

REV : A



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SPECIFICATION FOR APPROVAL

Part No. : SLB-025UR10-30010-LL

Absolute Maximum Ratings at TA=25°C

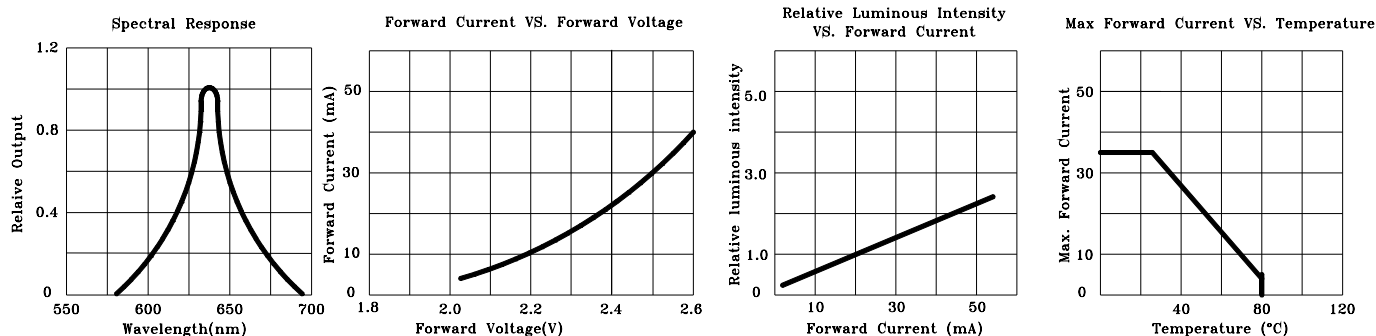
Parameter	Maximum Rating	Unit
Power Dissipation	90	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	35	mA
Reverse Voltage	5	V
Operating Temperature Range	-30°C to + 80°C	
Storage Temperature Range	-40°C to + 100°C	
Soldering Temperature[4mm(.157")From Body]	255°C for 5 Seconds	
Wave Soldering Temperature[4mm(.157")From Body]	Peak Temperature 245°C~260°C for 10 Seconds	
Reflow Soldering	NO	

Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	IV	28	45		mcd	IF = 20mA
Viewing Angle	2θ 1/2	140	145	150	deg	IF = 20mA
Peak Emission Wavelength	λ P		645		nm	IF = 20mA
Dominant Wavelength	λ d	625	630	635	nm	IF = 20mA
Spectral Line Half-Width	Δ λ		20		nm	IF = 20mA
Forward Voltage	VF		2.00	2.5	V	IF = 20mA
Reverse Current	IR			10	μ A	VR = 5V

TYPICAL ELECTRON-OPTICAL CHARACTERISTIC CURVES

25°C Free Air Temperature Unless Otherwise Specified



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