

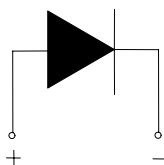
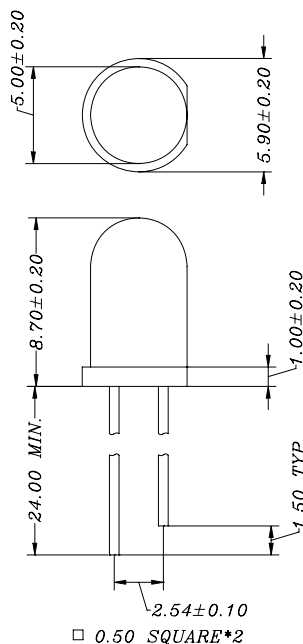


SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

Part No. : SLR-050K40-030

Package Dimensions



- 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.

Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

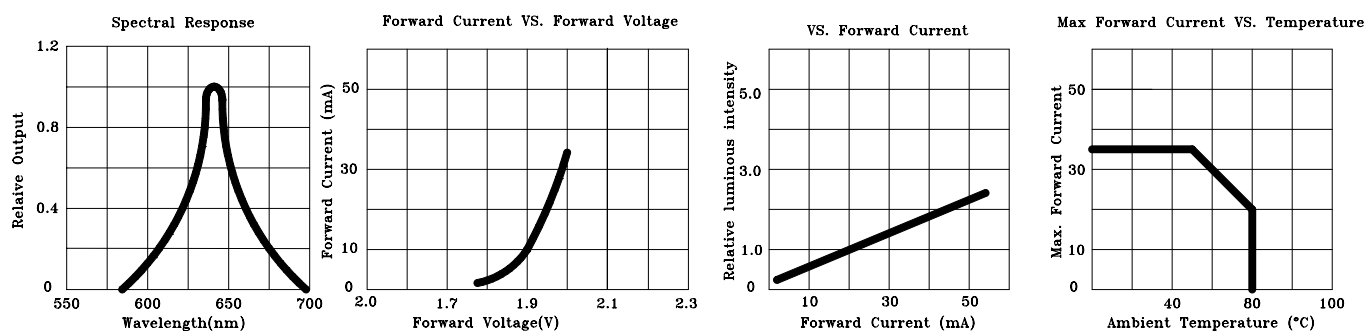
Electrical / Optical Characteristics at $T_A = 25^\circ\text{C}$

Parameter	Maximum Rating	Unit
Power Dissipation	45	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	90	mA
Continuous Forward Current	20	mA
Reverse Voltage	5	V
Operating Temperature Range	-20°C to $+80^\circ\text{C}$	
Storage Temperature Range	-55°C to $+100^\circ\text{C}$	
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds	

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	IV	270	400		mcd	IF = 20mA
Viewing Angle	2θ		20		deg	IF = 20mA
Peak Emission Wavelength	λ_P		660		nm	IF = 20mA
Dominant Wavelength	λ_d	635	639	650	nm	IF = 20mA
Spectral Line Half-Width	$\Delta\lambda$		20		nm	IF = 20mA
Forward Voltage	VF		1.9	2.4	V	IF = 20mA
Reverse Current	IR			100	μA	VR = 5V

TYPICAL ELECTRON-OPTICAL CHARACTERISTIC CURVES

25°C Free Air Temperature Unless Otherwise Specified



LISTER : 曾聖文 11-29-06

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