

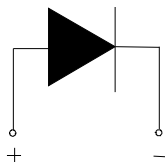
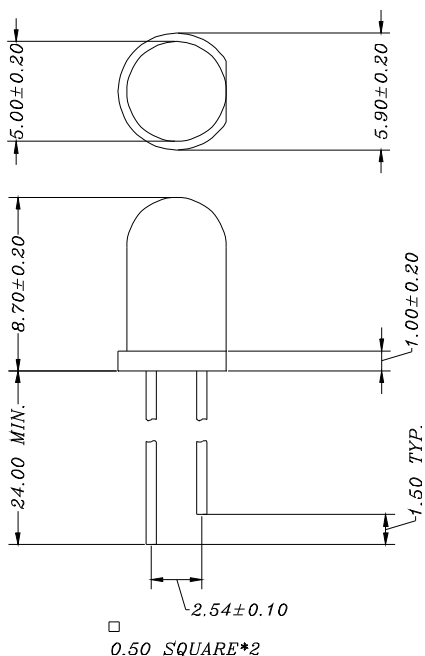


SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

Part No. : SLR-050NW40-A064A-LL

Package Dimensions



- Notes: 1. All dimensions are in millimeters (inches).
 2. Tolerance is $\pm 0.25\text{mm}(.010\text{'})$ unless otherwise noted.
 3. Protruded resin under flange is $1.0\text{mm}(.04\text{'})$ 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 TA=25°C

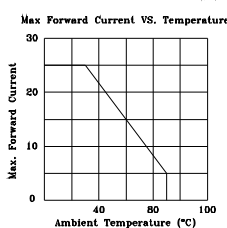
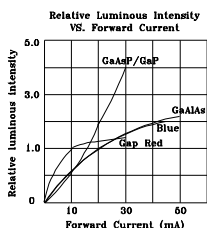
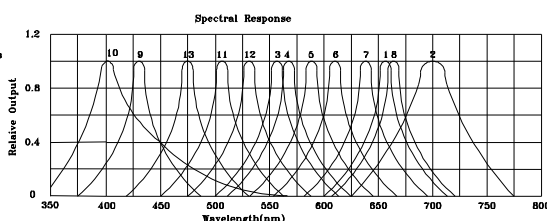
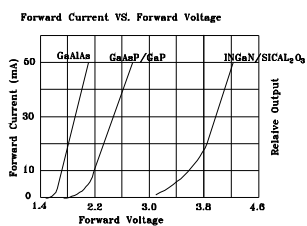
Electrical / Optical Characteristics at TA=25°C

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
Operating Temperature Range	-20°C to +80°C	
Storage Temperature Range	-30°C to +100°C	
Lead Soldering Temperature [1.6mm(.063") From Body]	240°C for 5 Seconds	

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_V	11000	20000		mcd	IF = 20mA
Viewing Angle	$2\theta_{1/2}$		15		deg	IF = 20mA
Forward Voltage	V_F	2.8	3.5	4.0	V	IF = 20mA
Reverse Current	IR			100	μA	VR = 5V

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

CIE 1931 Chromaticity Diagram



- 1: GaAsP red
- 2: GaP red
- 3: Yellow green
- 4: Green
- 5: Yellow
- 6: Amber
- 7: Orange
- 8: Super Bright red
- 9: Blue
- 10: Purple
- 11: Pure green
- 12: Bluish-Green
- 13: Blue

