

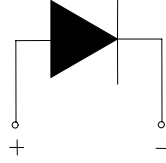
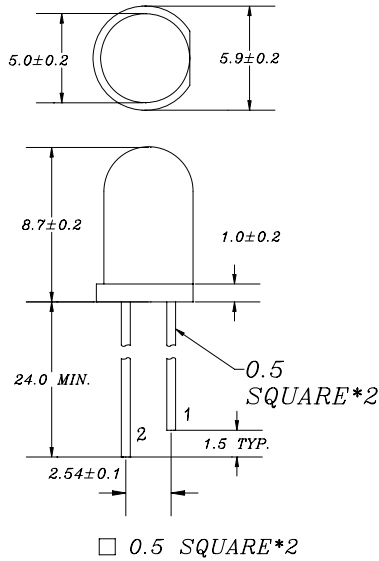


SHARLIGHT ELECTRONICS CO., LTD.

SPECIFICATION FOR APPROVAL

Part No. : SLI-0508CPA-030

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

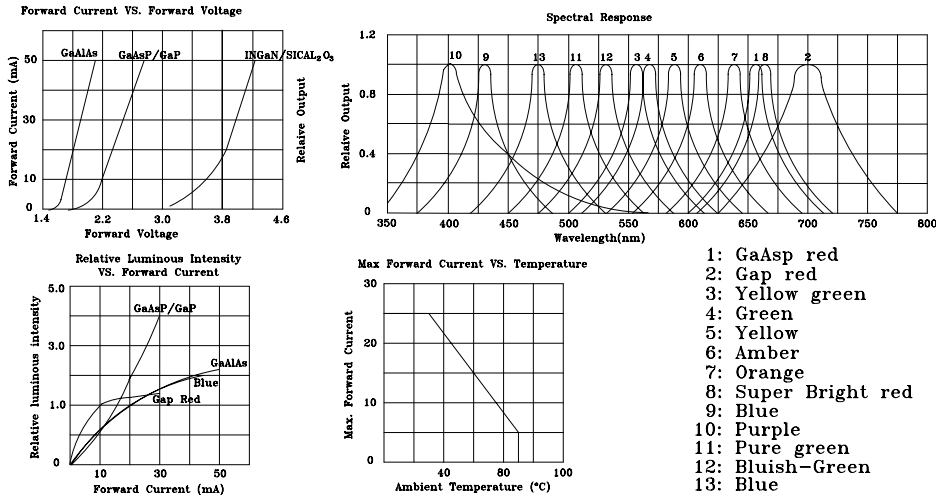
Absolute Maximum Ratings at TA=25°C

Electrical / Optical Characteristics at TA=25°C

Parameter	Maximum Rating	Unit
Power Dissipation	200	mW
Peak Forward Current (300pps, 10µs Pulse)	1	A
Continuous Forward Current	80	mA
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-55°C to +100°C	
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds	

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Power		75		µW	IF = 50mA
Viewing Angle	$2\theta_{1/2}$		25		deg	IF = 50mA
Peak Emission Wavelength	λ_P		940		nm	IF = 50mA
Spectral Line Half-Width	$\Delta\lambda$		50		nm	IF = 50mA
Forward Voltage	VF		1.3	1.8	V	IF = 50mA
Reverse Current	IR			100	µA	VR = 5V

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



LISTER : 鄭淑娟 04-24-07

EDITOR : 周素華 04-24-07

DATE : 04-24-07

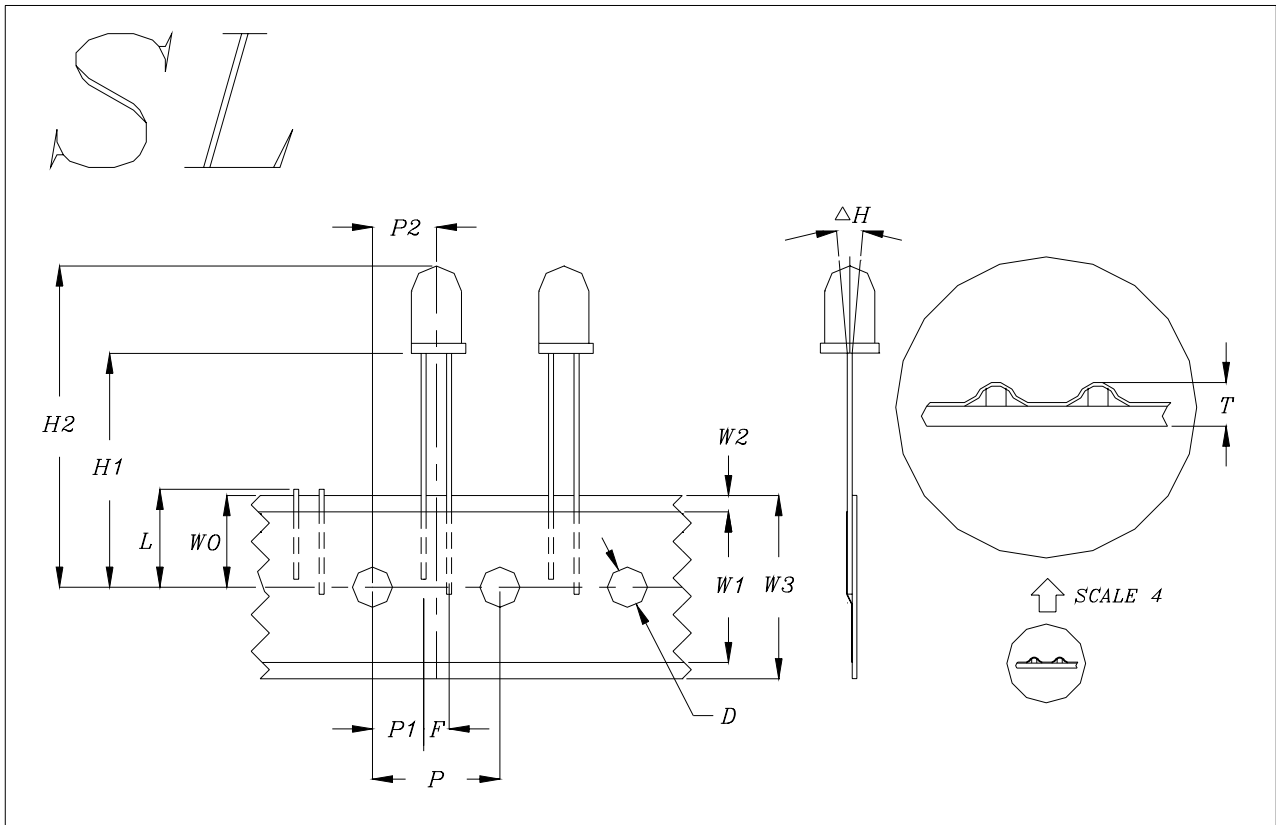
REV : A



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SYMBOL ITEM	SYMBOL	SPECIFICATION			
		MINIMUM		MAXIMUM	
		MM	INCH	MM	INCH
Tape Feed Hole Diameter	D	3.8	0.149	4.2	0.165
Component Lead Pitch	F	2.3	0.091	3.0	0.118
Front to Rear Deflection	ΔH	*	*	2.0	0.078
Feed Hole to Bottom of Component	H1	18.0	0.709	26.0	1.024
Feed Hole to Overall Component Height	H2	*	*	35.5	1.398
Lead Length After Component Height	L	W0		11.0	0.433
Feed Hole Pitch	P	12.4	0.488	13.0	0.511
Lead Location	P1	4.4	0.173	5.8	0.228
Center of Component Location	P2	5.05	0.198	7.65	0.301
Overall Taped Package Thickness	T	*	*	1.42	0.056
Feed Hole Location	W0	8.5	0.334	9.75	0.384
Adhesive Tape width	W1	14.5	0.571	15.5	0.610
Adhesive Tape Position	W2	0	0	4.0	0.157
Tape Width	W3	17.5	0.689	19.0	0.748

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