

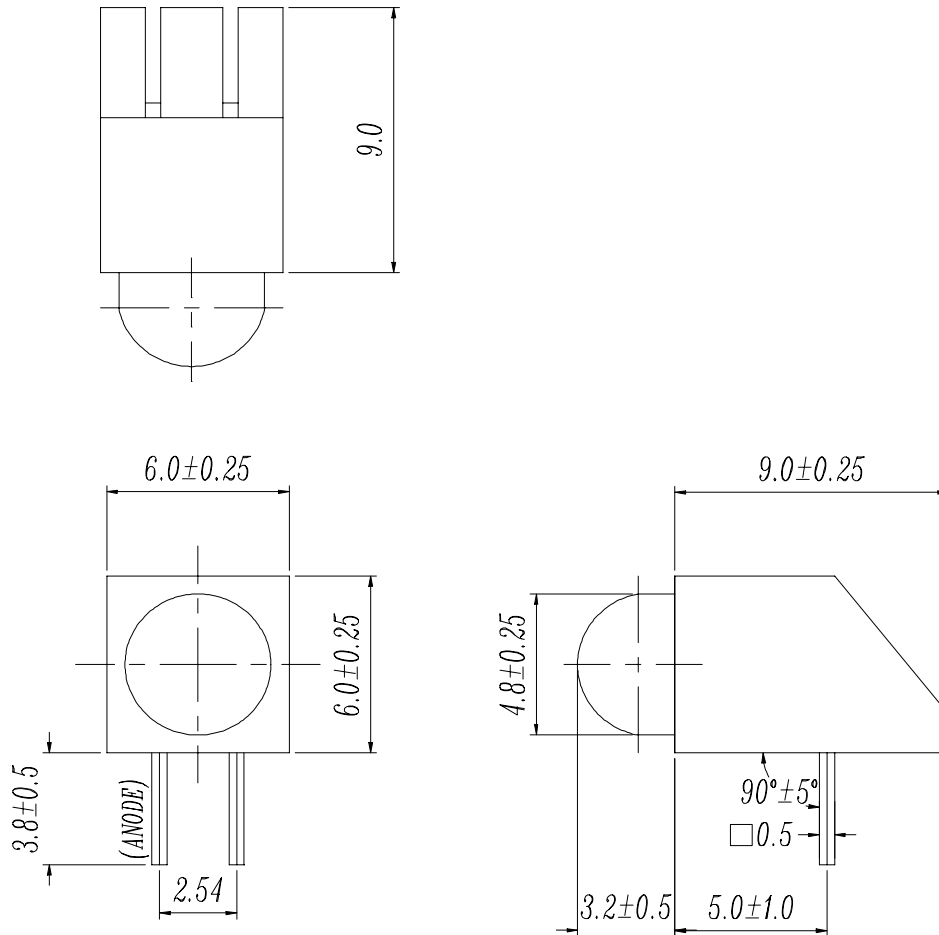


# EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DAE-093-407 REV: 1.0

MODEL NO : A93B/SUR/S530-A3 ECN : \_\_\_\_\_ Page: 1/5

## ■ Package Dimension:



## ■ Notes:

- 1.All dimensions are in millimeters, tolerance is 0.25mm except be specified
- 2.Lead spacing is measured where the lead emerge from the package

LED PART NO	CHIP		Lens Color
	Material	Emitted Color	
313-2SURD/S530-A3	AlGaInP	Hyper Red	Red Diffused

DESIGNER	CHECKER	APPROVER

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■ Description:

- 1.ARRAY=Plastic Holder+Combinations of Lamp
- 2.The array will easily mount the applicable lamps on any panel

■ Feature:

- 1.Low power consumption
- 2.High efficiency and low cost
- 3.Good control and free combinations on the colors of LED lamps
- 5.Good lock and easy to assembly
- 6.Stackable and easy to assembly
- 7.Stackable vertically and easy to assembly
- 8.Versatile mounting on PCB or panel
- 9.Stackable horizontally and easy to assembly

■ Application:

- 1.Used as indicators of indicating the Degree, Functions, Positions etc, in electronic instruments.



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## ■ LED LAMP ARRAYS SELECTION GUIDE:

A    93    B /    SUR / S530-A3

SYG:Super Yellow Green

UY:Super Yellow

SUR:Hyper Red

SDR:Super Deep-Red

COLOR OF HOLDER(BLACK)

MODEL

ARRAY



2.4\*5.0mm Rectangle Type LED Lamps

**Absolute Maximum Ratings at Ta = 25°C**

Parameter	Symbol	Rating	Unit
Forward Current	If	25	mA
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Electrostatic Discharge	ESD	2000	V
Power Dissipation	Pd	60	mW
Peak Forward Current(Duty 1/10 @ 1KHZ)	If(Peak)	160	mA
Reverse Voltage	Vr	5	V

**Electronic Optical Characteristics :**

Parameter	Symbol	MIN.	TYP.	MAX.	Unit	Condition
Luminous intensity	Iv	---	15 250	/	mcd	If= 2 mA If= 20 mA
Viewing Angle	2θ 1/2	/	40	/	deg	If= 20 mA
Peak Wavelength	λ p	/	632	/	nm	If= 20 mA
Dominant Wavelength	λ d	/	624	/	nm	If= 20 mA
Spectrum Radiation Bandwidth	Δ λ	/	20	/	nm	If= 20 mA
Forward Voltage	Vf	/	2.0	2.4	V	If= 20 mA
Reverse Current	Ir	/	/	10	μ A	Vr= 5 V



■ Typical Electro-Optical Characteristic Curves

