



Technical Data Sheet

5.0mm 1pcs Circuit Board Indicator

A1479-1B/SURSYGW/S530-A3

■ Features :

- Low power consumption
- High efficiency and low cost
- Good control and free combinations on the colors of LED lamps
- Good lock and easy to assembly
- Stackable and easy to assembly
- Stackable vertically and easy to assembly
- Versatile mounting on P.C board or panel
- Stackable horizontally and easy to assembly
- Pb free
- The product itself will remain within RoHS compliant version.



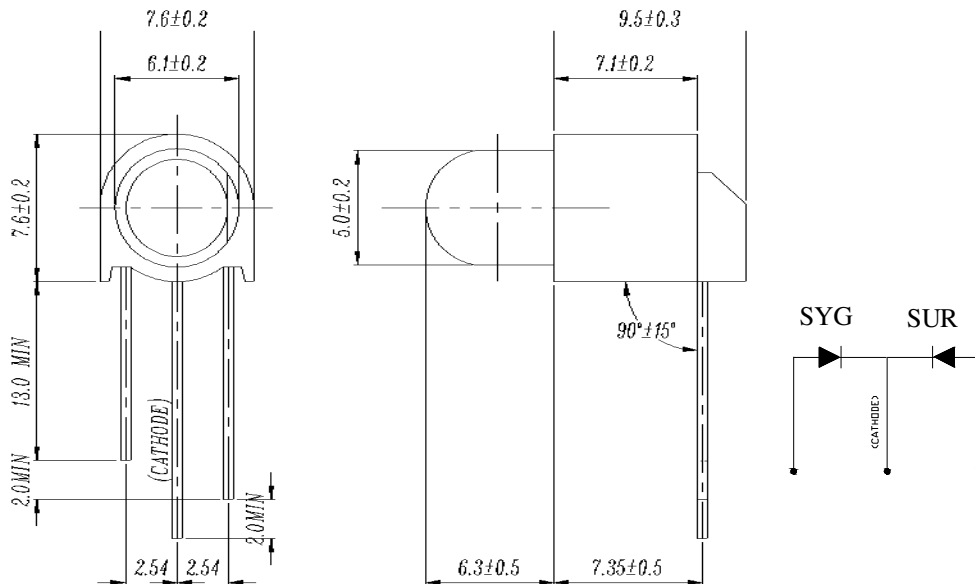
■ Descriptions :

- ARRAY=Plastic Holder+Combinations of Lamps
- The array will easily mount the applicable lamps on any panel up to

■ Applications :

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

PART NO.	Chip		Lens Color
	Material	Emitted Color	
339-1SURSYGW/S530-A3	AlGaInP	Hyper Red	White Diffused
	AlGaInP	Super Yellow Green	

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Package Dimensions


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

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

Parameter	Symbol	Rating	Unit
Forward Current	I_F	SUR/S530	25
		SYG/S530	25
Operating Temperature	T_{opr}	-40 to +85	$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to +100	$^\circ\text{C}$
Soldering Temperature	T_{sol}	260 ± 5	$^\circ\text{C}$
Electrostatic Discharge	ESD	SUR/S530	2000
		SYG/S530	2000
Power Dissipation	P_d	SUR/S530	60
		SYG/S530	60
Reverse Voltage	V_R	5	V

Note: *1:IFP Conditions --Pulse Width $\leq 1\text{msec}$ and Duty $\leq 1/10$.

*2:Soldering time ≤ 5 seconds.



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A1479-1B/SURSYGW/S530-A3**Electro-Optical Characteristics (Ta=25°C)**

Parameter	Symbol		Min	Typ	Max	Unit	Condition
Luminous	I _v	SUR/S530	25	50	/	mcd	I _F = 20 mA
		SYG/S530	16	32	/		
Viewing Angle	2θ 1/2		/	100	/	deg	I _F = 20 mA
Peak Wavelength	λ _p	SUR/S530	/	632	/	nm	I _F = 20 mA
		SYG/S530	/	575	/		
Dominant Wavelength	λ _d	SUR/S530	/	624	/	nm	I _F = 20 mA
		SYG/S530	/	573	/		
Spectrum Radiation Bandwidth	△λ	SUR/S530	/	20	/	nm	I _F = 20 mA
		SYG/S530	/	20	/		
Forward Voltage	V _F	SUR/S530	/	2.0	2.4	V	I _F = 20 mA
		SYG/S530	/	2.0	2.4		
Reverse Current	I _R	SUR/S530	/	/	10	μ A	V _R = 5 V
		SYG/S530	/	/	10	μ A	

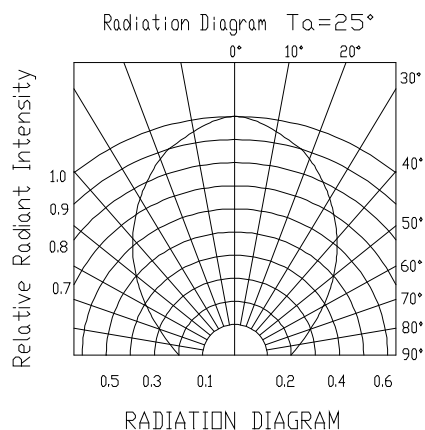
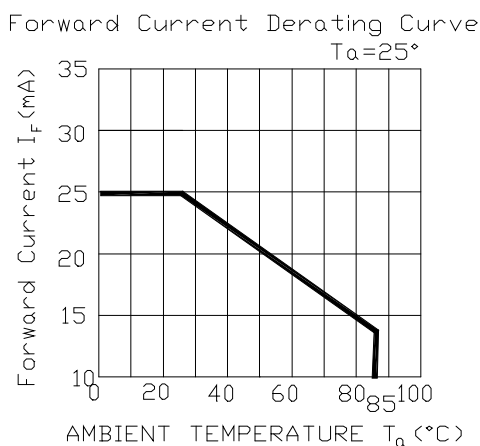
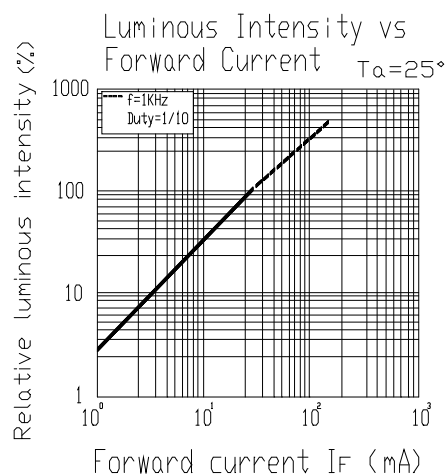
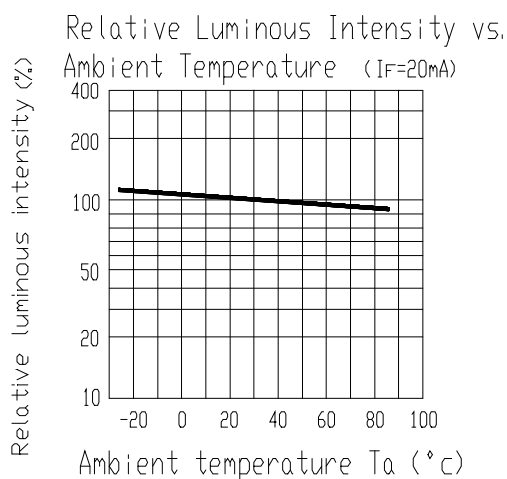
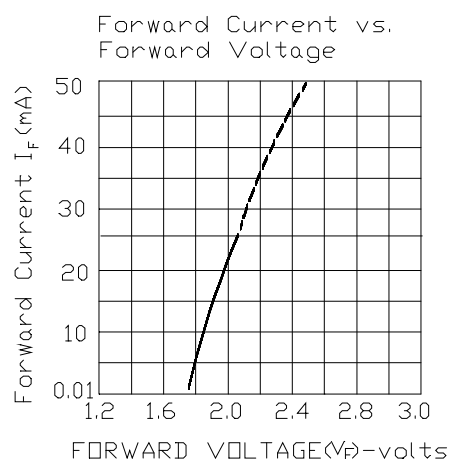
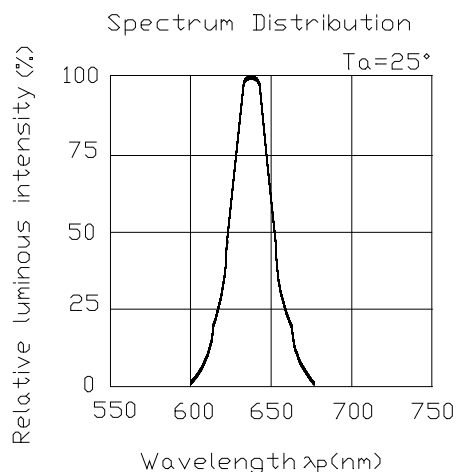
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■ Typical Electro-Optical Characteristic Curves:

(SUR)



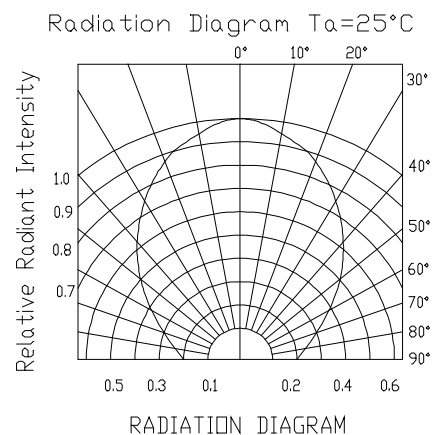
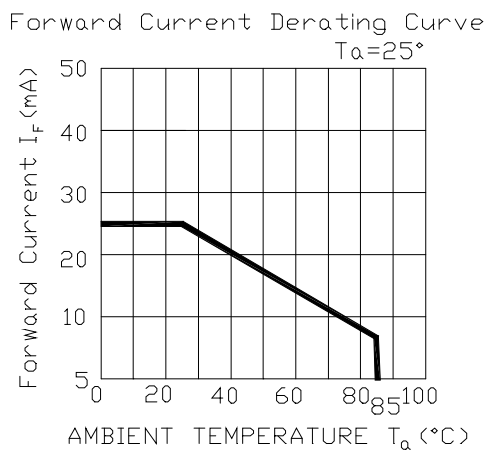
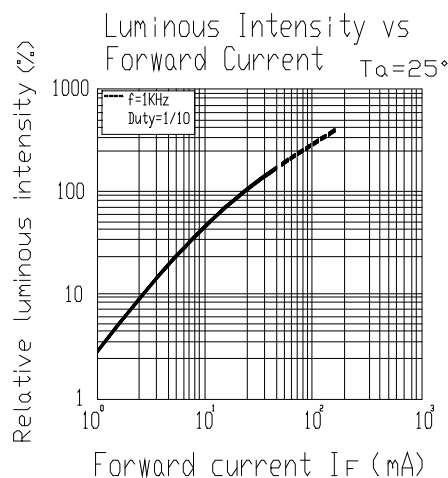
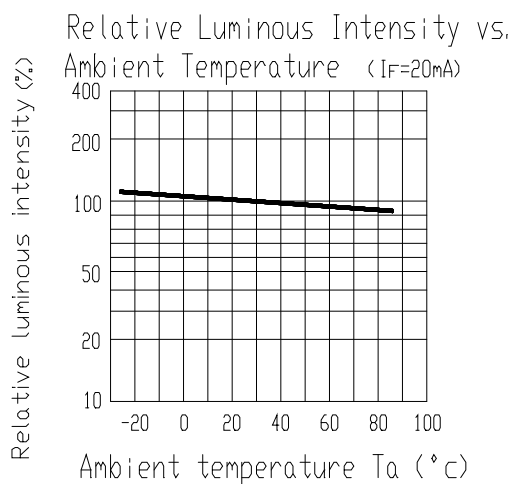
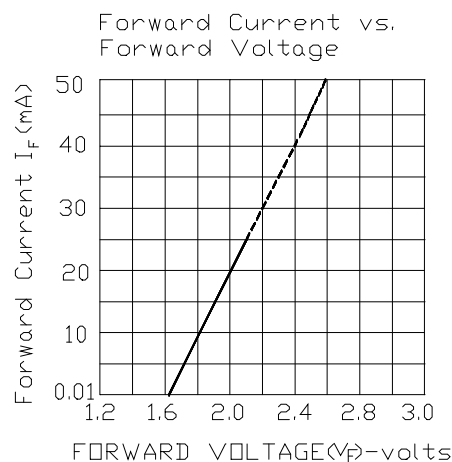
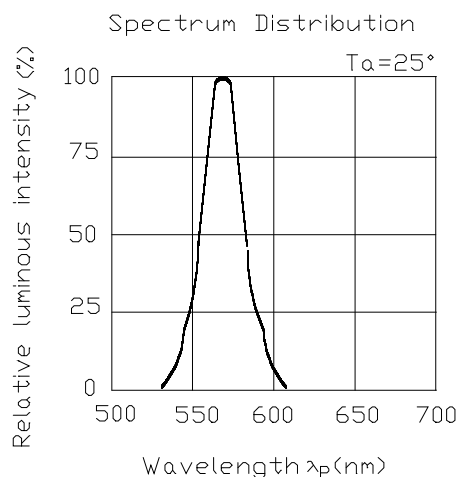
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Typical Electro-Optical Characteristic Curves:

(SYG)





EVERLIGHT ELECTRONICS CO.,LTD.

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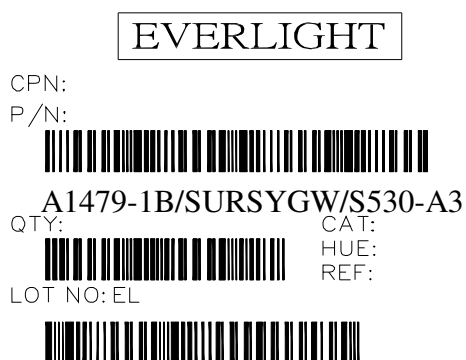
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Packing Quantity Specification

1. 250pcs/1Bag , 4Bagss/1Box
2. 10Boxes/1Carton

Label Form Specification



CPN: Customer' s Production Number

P/N : Production Number

QTY: Packing Quantity

CAT: Ranks

HUE: Peak Wavelength

REF: Reference

LOT No: Lot Number

MADE IN TAIWAN: Production Place

MADE IN TAIWAN

Notes

1. Above specification may be changed without notice. EVERLIGHT will reserve authority on material change for above specification.
2. When using this product, please observe the absolute maximum ratings and the instructions for using outlined in these specification sheets. EVERLIGHT assumes no responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.
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