

Excellent Integrated System Limited

Stocking Distributor

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[Everlight Electronics Co Ltd](#)
[A2794B/SYGSDR/S530-A3](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



EVERLIGHT ELECTRONICS CO.,LTD.

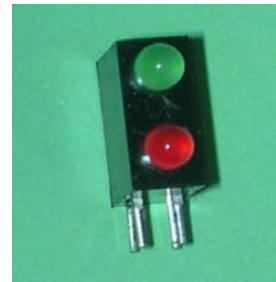
Technical Data Sheet

3.0mm Cylindrical Type LED lamps

A2794B/SYGSDR/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.

LED PART NO.	Chip		Lens Color
	Material	Emitted Color	
264SYGD/S530-E2/F45-74	AlGaInP	Super Yellow Green	Green Diffused
264SDRD/S530-A3/F45-75	AlGaInP	Super Deep-Red	Red Diffused



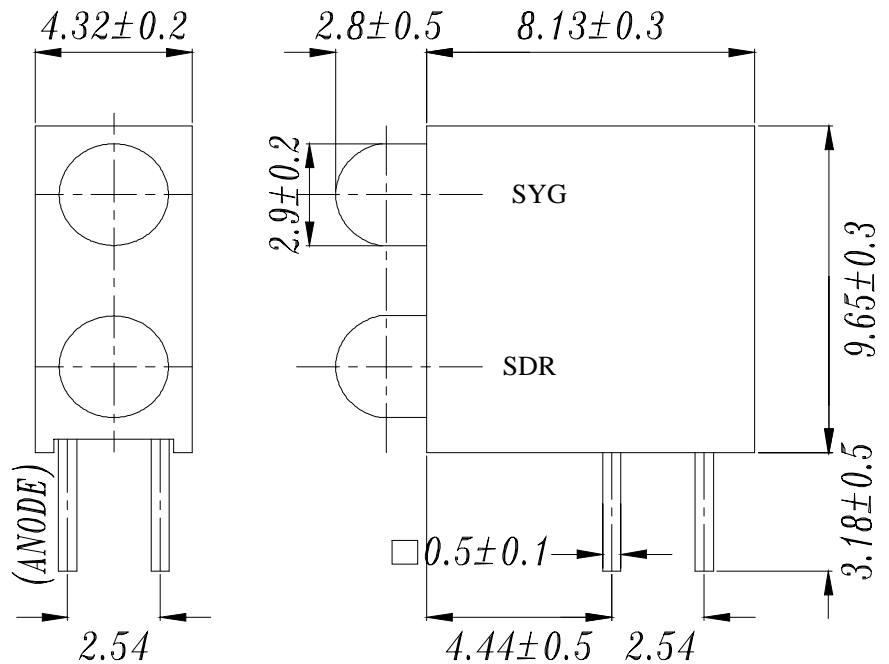
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Package Dimensions



- 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	264SYGD/S530-E2/F45-74	25
		264SDRD/S530-A3/F45-75	25
Operating Temperature	T _{opr}	-40 to +85	°C
Storage Temperature	T _{stg}	-40 to +100	°C
Soldering Temperature	T _{sol}	260 ± 5	°C
Electrostatic Discharge	ESD	264SYGD/S530-E2/F45-74	2000
		264SDRD/S530-A3/F45-75	2000
Power Dissipation	P _d	264SYGD/S530-E2/F45-74	60
		264SDRD/S530-A3/F45-75	60



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Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	264SYGD/S530-E2/F45-74	VF IF= 20 mA	/	2.0	2.4	V
	264SDRD/S530-A3/F45-75		/	2.0	2.4	
Reverse Current	264SYGD/S530-E2/F45-74	IR VR= 5 V	/	/	10	μA
	264SDRD/S530-A3/F45-75		/	/	10	
Luminous Intensity	264SYGD/S530-E2/F45-74	Iv IF= 20 mA	16	32	/	mcd
	264SDRD/S530-A3/F45-75		50	80	/	
Viewing Angle	264SYGD/S530-E2/F45-74	2θ 1/2 IF= 20 mA	/	50	/	deg
	264SDRD/S530-A3/F45-75		/	50	/	
Peak Wavelength	264SYGD/S530-E2/F45-74	λp IF= 20 mA	/	575	/	nm
	264SDRD/S530-A3/F45-75		/	650	/	
Dominant Wavelength	264SYGD/S530-E2/F45-74	λd IF= 20 mA	/	573	/	nm
	264SDRD/S530-A3/F45-75		/	639	/	
Spectrum Radiation Bandwidth	264SYGD/S530-E2/F45-74	Δλ IF= 20 mA	/	20	/	nm
	264SDRD/S530-A3/F45-75		/	20	/	



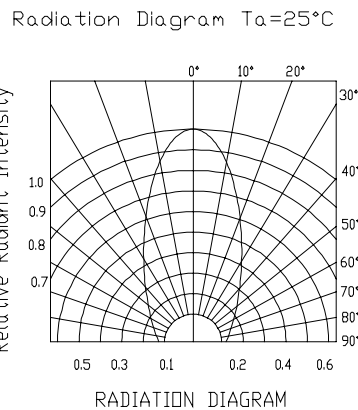
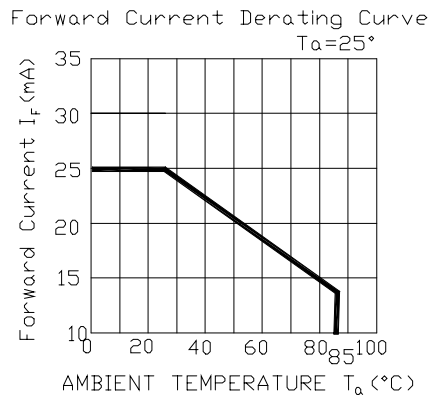
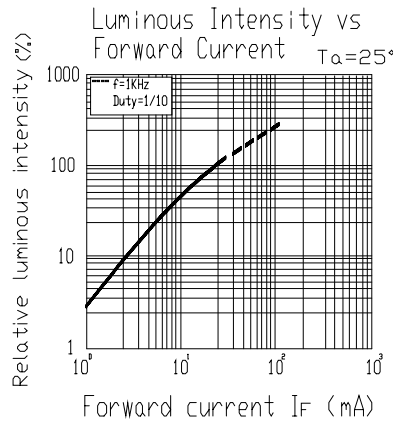
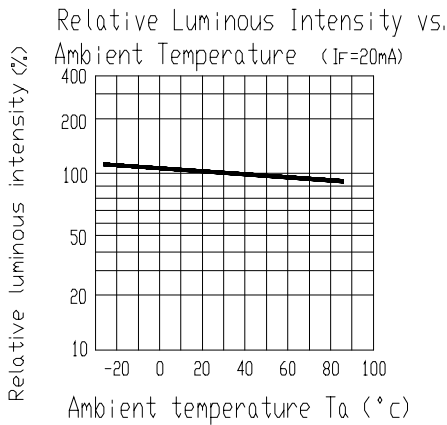
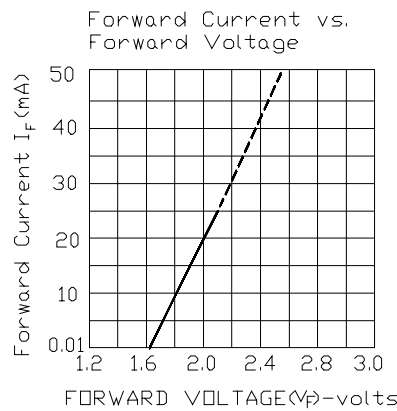
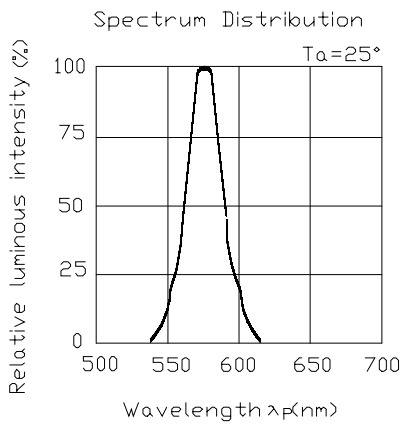
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■ Typical Electro-Optical Characteristic Curves:

(SYG)



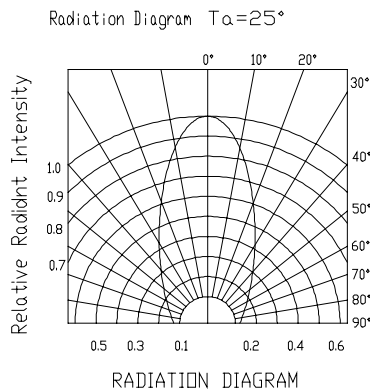
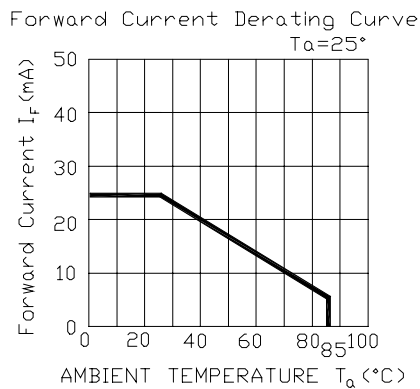
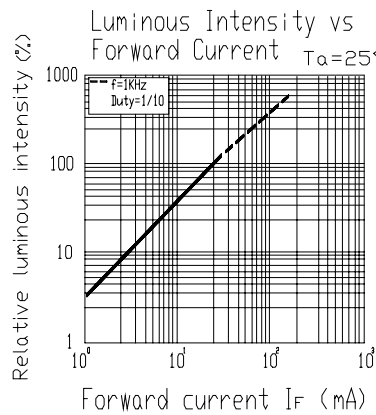
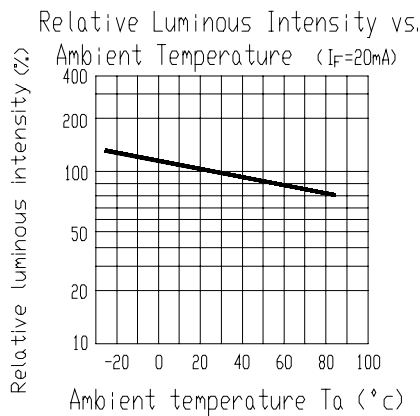
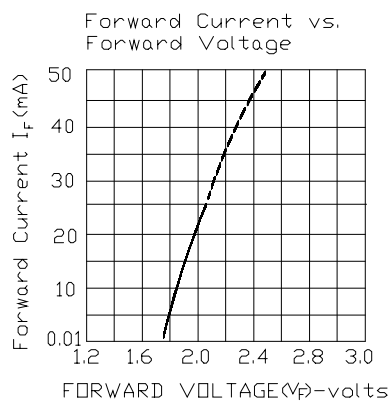
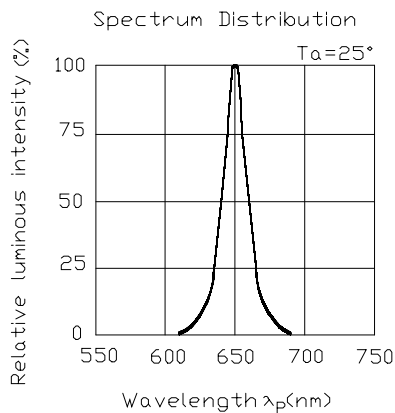
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■ Typical Electro-Optical Characteristic Curves:

(SDR)





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Packing Quantity Specification

1. 500PCS/1Plate · 4Plate/1Box
2. 10Boxes/1Carton

Label Form Specification



CPN: Customer's Production Number
P/N : Production Number
QTY: Packing Quantity
CAT: Ranks
HUE: Dominant Wavelength
REF: Reference
LOT No: Lot Number

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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