EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDLE-026-168 REV: 1

3.0mm Round Type LED Lamps

MODEL NO : 264-7SYGD/S530-E2 ECN : Page: 1/4

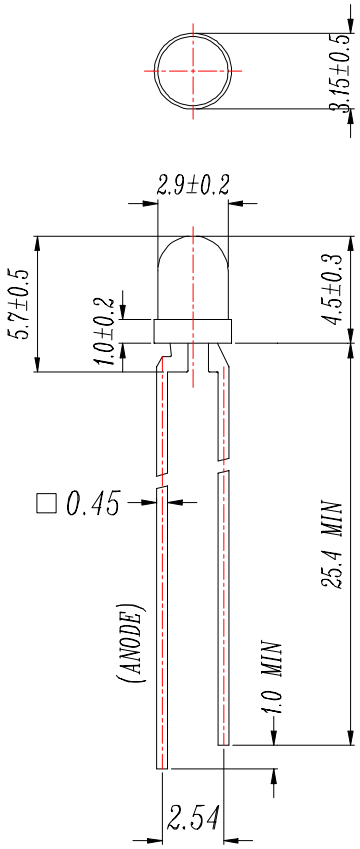
■ Features :

- High luminous power.
- Can be driven at low current.
- 2.54mm lead spacing.
- Available on tape and reel.

■ Descriptions :

- The series is specially designed for applications requiring higher brightness
- The LED lamps are available with different colors, intensities, epoxy colors, etc.

■ Package Dimensions:



■ Applications :

- TV set
- Monitor
- Telephone
- Computer

■ Notes :

1.All dimensions are in millimeters.
2.An epoxy meniscus may extend about 1.5mm(0.059") down to the lead.

PART NO	Chip		Lens Color
	Material	Emitted Color	
264-7SYGD/S530-E2	AlGaInP	Super Yellow Green	Green Diffused

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■ Absolute Maximum Ratings at Ta = 25℃

Parameter	Symbol	Rating	Unit
Forward Current	IF	25	mA
Operating Temperature	Topr	-40 to +85	℃
Storage Temperature	Tstg	-40 to +100	℃
Soldering Temperature	Tsol	260 ± 5	℃
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	25	50	／	mcd	IF= 20 mA
Viewing Angle	2θ 1/2	／	60	／	deg	IF= 20 mA
Peak Wavelength	λ p	／	575	／	nm	IF= 20 mA
Dominant Wavelength	λ d	／	573	／	nm	IF= 20 mA
Spectrum Radiation Bandwidth	△ λ	／	20	／	nm	IF= 20 mA
Forward Voltage	VF	1.70	2.00	2.40	V	IF= 20 mA
Reverse Current	IR	／	／	10	μA	VR= 5 V

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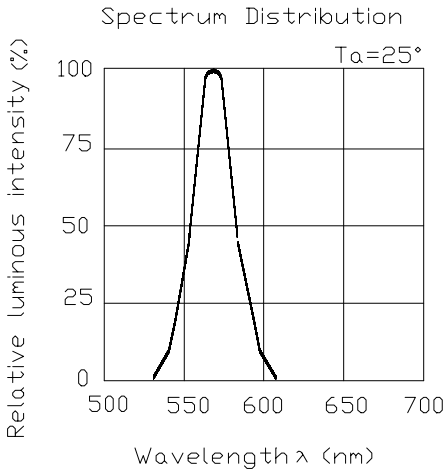
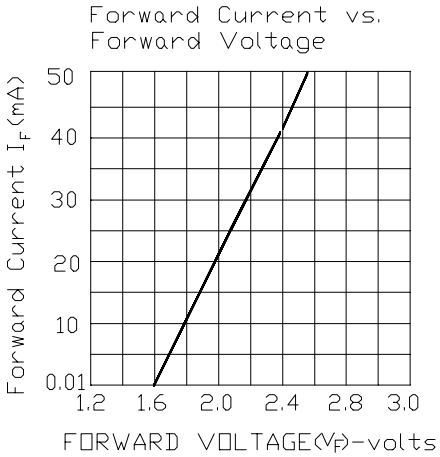
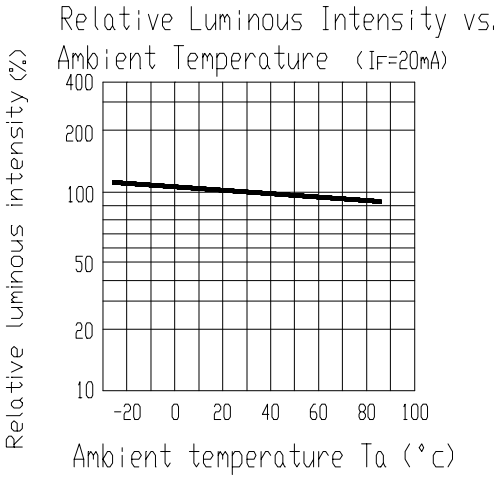
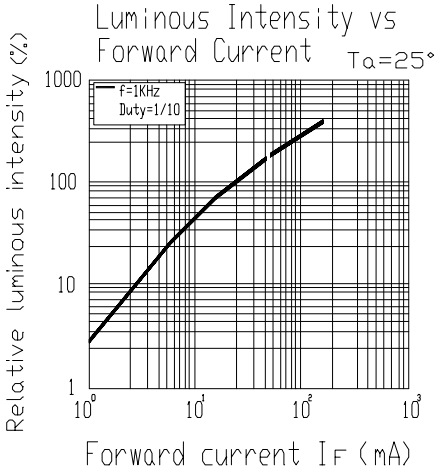
■ Typical Electro-Optical Characteristic Curves:

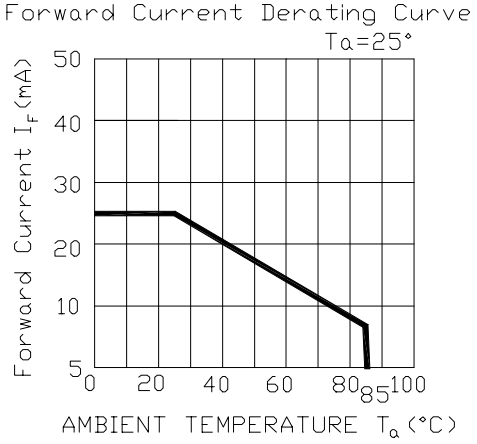
(SYG)

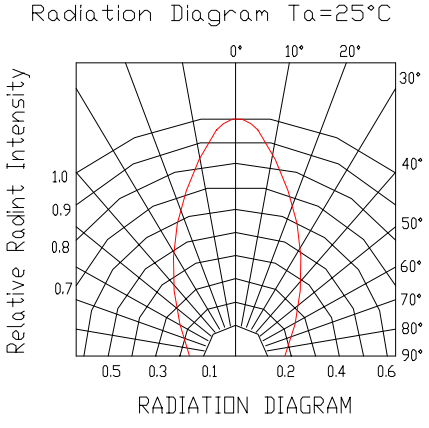












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■ Reliability test items and conditions:

No	Item	Test Conditions	Test Hours/Cycle	Sample Size	Ac/Re
1	Solder Heat	TEMP : 260℃ ± 5 ℃	5 SEC	76 PCS	0/1
2	Temperature Cycle	H : +85℃ 30min ∫ 5 min L : -55℃ 30min	50 CYCLE	76 PCS	0/1
3	Thermal Shock	H : +100℃ 5min ∫ 10 sec L : -10℃ 5min	50 CYCLE	76 PCS	0/1
4	High Temperature Storage	TEMP : 100℃	1000 HRS	76 PCS	0/1
5	Low Temperature Storage	TEMP : -55℃	1000 HRS	76 PCS	0/1
6	DC Operating Life	I_F = 20 mA	1000 HRS	76 PCS	0/1
7	High Temperature / High Humidity	85℃ /85% RH	1000 HRS	76 PCS	0/1