



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDLE-033-600 REV.: 1

5.0mm Round Type LED Lamps

PART NO. : 333-2SURD/S530-A3

ECN: _____ Page: 1/4

Features :

- Choice of various viewing angles
- Available on tape and reel.
- Reliable and robust

Descriptions :

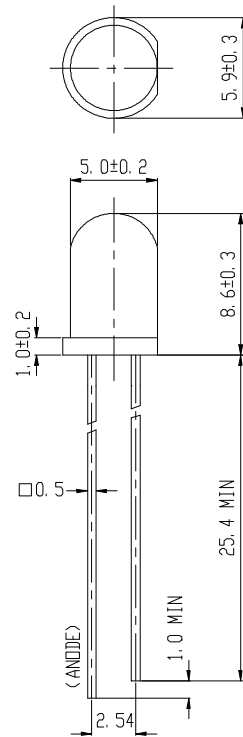
The series is specially designed for applications requiring higher brightness

The led lamps are available with different colors, intensities,

Applications :

- TV set
- Monitor
- Telephone
- Computer

Package Dimensions:



Notes :

1. All dimensions are in millimeters.
2. An epoxy meniscus may extend about 1.5mm(0.059") down to the lead.
3. Tolerances unless Dimension ± 0.25 mm.

PART NO.	Chip		Lens Color
	Material	Emitted Color	
333-2SURD/S530-A3	AlGaInP	Hyper Red	Red Diffused

Office : 7C Building, Lian Hua Port Industrial District, Lian Hua Shan
 Bonded Processing Zone Pan Yu, Guang Zhou, China
 TEL. : (020)84860913,84860914
 FAX : (020)84860600
 http : //www.everlight.com



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Absolute Maximum Ratings at Ta = 25

Parameter	Symbol	Rating	Unit
Forward Current	I _F	25	mA
Operating Temperature	T _{opr}	-40 to +85	
Storage Temperature	T _{stg}	-40 to +100	
Soldering Temperature	T _{sol}	260 ± 5	
Electrostatic Discharge	ESD	2000	V
Power Dissipation	P _d	60	mW
Peak Forward Current(Duty 1/10 @ 1KHz)	I _{F(Peak)}	160	mA
Reverse Voltage	V _R	5	V

Electronic Optical Characteristics :

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	I _v	100	200	/	mcd	I _F = 20 mA
Viewing Angle	2 1/2	/	30	/	deg	I _F = 20 mA
Peak Wavelength	p	/	632	/	nm	I _F = 20 mA
Dominant Wavelength	d	/	624	/	nm	I _F = 20 mA
Spectrum Radiation Bandwidth		/	20	/	nm	I _F = 20 mA
Forward Voltage	V _F	1.7	2.0	2.4	V	I _F = 20 mA
Reverse Current	I _R	/	/	10	µ A	V _R = 5 V



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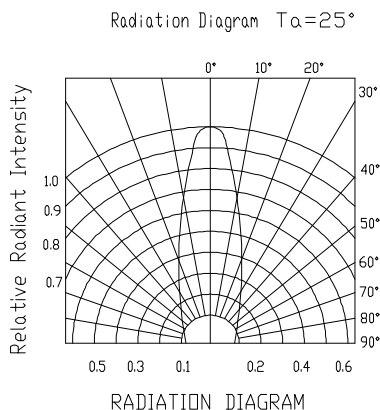
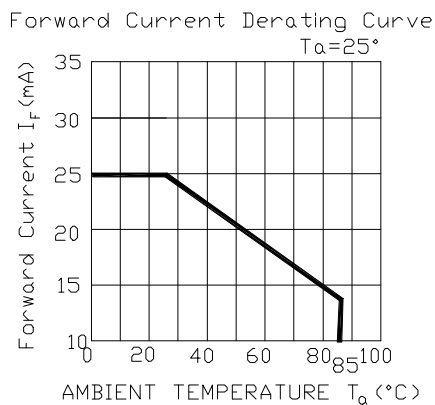
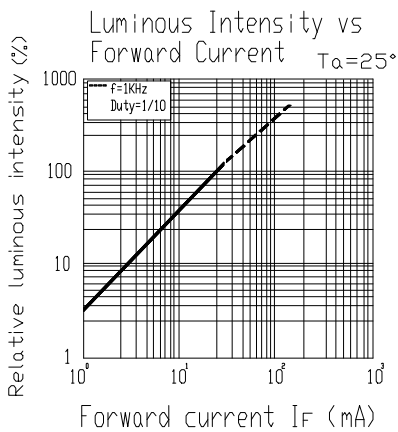
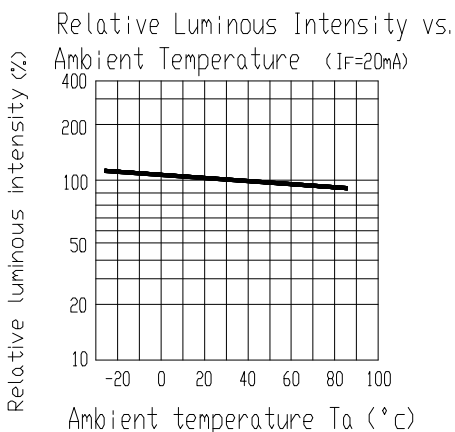
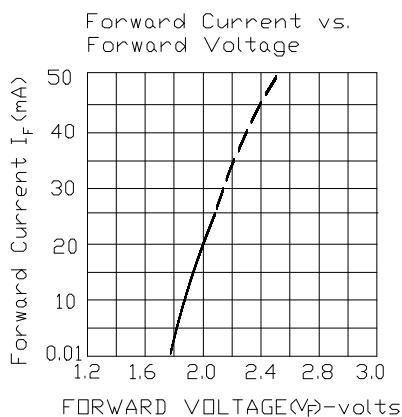
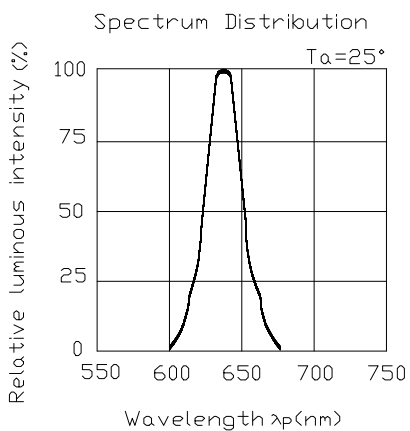
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Typical Electro-Optical Characteristic Curves:

(SUR)





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Reliability test items and conditions:

NO	Item	Test Conditions	Test Hours/Cycle	Number	Ac/Re
1	Solder Heat	TEMP : 260 ± 5	10 SEC	76 PCS	0/1
2	Temperature Cycle	H : +85 30min 5 min L : -55 30min	300 CYCLES	76 PCS	0/1
3	Thermal Shock	H : +100 5min 10 sec L : -10 5min	300 CYCLES	76 PCS	0/1
4	High Temperature Storage	TEMP : 100	1000 HRS	76 PCS	0/1
5	Low Temperature Storage	TEMP : -40	1000 HRS	76 PCS	0/1
6	DC Operating Life	TEMP : 25 IF = 20mA	1000 HRS	76 PCS	0/1
7	High Temperature / High Humidity	85 / 85% RH	1000 HRS	76 PCS	0/1

单击下面可查看定价，库存，交付和生命周期等信息

[>>Everlight \(亿光\)](#)