



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DLE-532-054 REV: 1.0

4.4X5.6 mm Elliptical Wide Angle LEDs

MODEL NO : 5323-2USOC/S400-A5 ECN : Page: 1/4

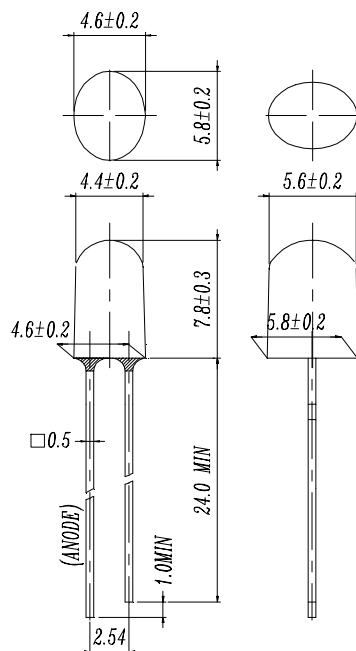
■ Features :

- Low power consumption.
- Versatile mounting PCB or panel.
- High efficiency.
- I.C. compatible/low current requirement.

■ Description :

- The series is 4.4X5.6mm LED lamps.
- The series is specially designed for applications require higher brightness than that achievable with standard lamp.
- The LED lamps are available with different colors,intensities, epoxy colors, etc.

■ Package Dimension:



■ 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	
5323-2USOC/S400-A5	AlGaInP	Super Sunset Orange	Water Clear

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■ Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Rating	Unit
Forward Current	If	50	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	120	mW
Peak Forward Current(Duty 1/10 @ 1KHZ)	If(Peak)	200	mA
Reverse Voltage	Vr	5	V

■ Electronic Optical Characteristics :

Parameter	Symbol	MIN.	TYP.	MAX.	Unit	Condition
Luminous intensity	Iv	----- 290	30 490	----	mcd	If=2mA If=20mA
Viewing Angle	2 θ 1/2	----	X:35 Y:80	----	deg	If=20mA
Peak Wavelength	λ p	----	621	----	nm	If=20mA
Dominant Wavelength	λ d	----	615	----	nm	If=20mA
Spectrum Radiation Bandwidth	△ λ	----	18	----	nm	If=20mA
Forward Voltage	Vf	----	2.0	2.4	V	If=20mA
Reverse Current	Ir	----	----	10	μ A	Vr=5V



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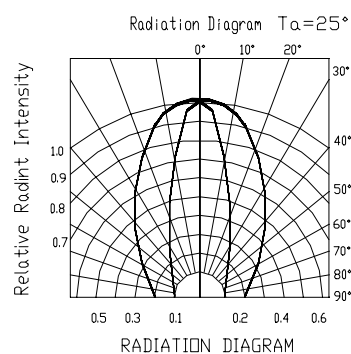
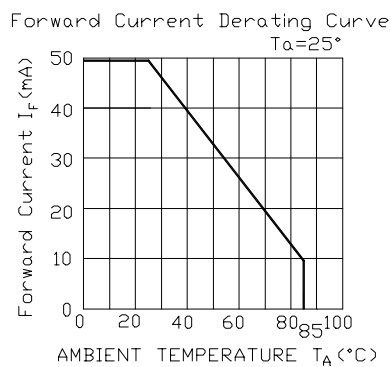
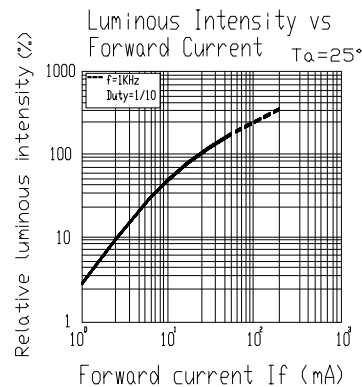
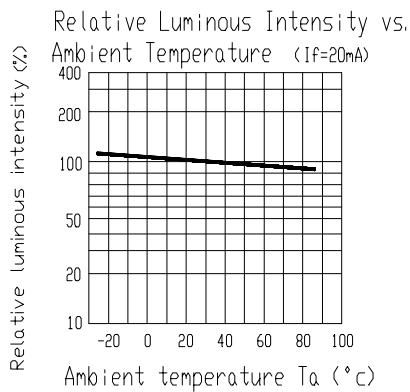
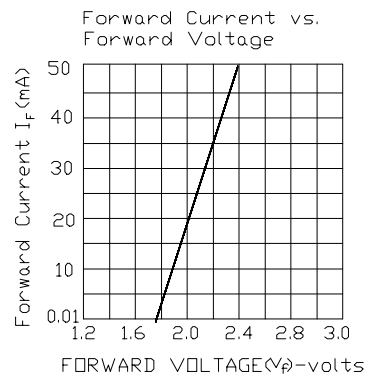
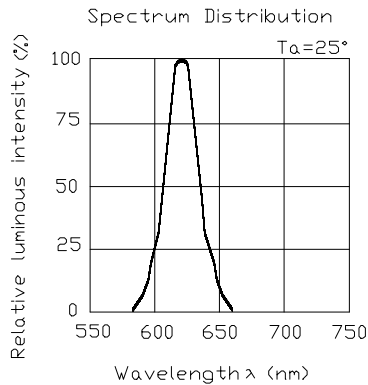
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Page: 3/4

■ Typical Electro-Optical Characteristic Curves





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Page: 4/4

■ Reliability test items and conditions

NO	Item	Test Conditions	Test Hours/Cycle	Sample Size	Ac/Re
1	Soldering 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	If = 20 mA	1000 HRS	76 Pcs	0/1
7	High Temperature / High Humidity	85℃/85% RH	1000 HRS	76 Pcs	0/1