



EVERLIGHT ELECTRONICS CO.,LTD.

DATA SHEET

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

DATE : 2002/8/2

DEPARTMENT : CHR&D1

REVISION : 1

RECEIVED			
☒ MASS PRODUCTION			
☐ PRELIMINARY			
☐ CUSTOMER DESIGN			
DEVICE NUMBER :		CDLE-033-1052	
PAGE :		4	
CUSTOMER	DESIGNER	CHECKER	APPROVER

REV.	DESCRIPTION	RELEASE DATE

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



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDLE-033-10S2 REV.: 1

5.0mm Round Type LED Lamps

PART NO. : 333-2UYD/S530-A3 ECN: Page: 1/4

■ Features :

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

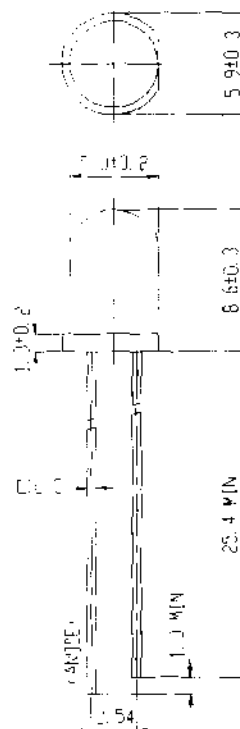
■ Descriptions :

- 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	
333-2UYD/S530-A3	AlGaInP	Super Yellow	Yellow Diffused

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5.0mm Round Type LED Lamps

PART NO. : 333-2UYD/S530-A3 ECN: Page: 2/4

■ 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)	Ir(Peak)	160	mA
Reverse Voltage	VR	5	V

■ Electronic Optical Characteristics :

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	160	320	/	mcd	IF= 20 mA
Viewing Angle	2θ 1/2	/	30	/	deg	IF= 20 mA
Peak Wavelength	λ p	/	591	/	nm	IF= 20 mA
Dominant Wavelength	λ d	/	589	/	nm	IF= 20 mA
Spectrum Radiation Bandwidth	△λ	/	15	/	nm	IF= 20 mA
Forward Voltage	VF	/	2.0	2.4	V	IF= 20 mA
Reverse Current	IR	/	/	10	μ A	VR= 5 V



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5.0mm Round Type LED Lamps

PART NO. : 333-2UYD/S530-A3 ECN : Page: 3/4

■ Typical Electro-Optical Characteristic Curves:

