

T-1 3/4 (5mm) Round Shape LEDs

PART NO: 333-2UYT/S530-A2 ECN : Page: 1/4**■ Features :**

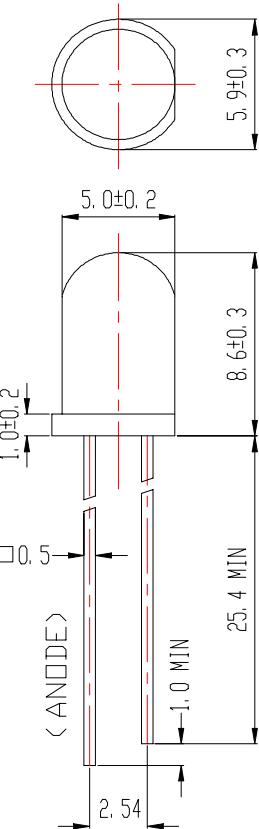
- Popular T- 3/4 diameter package
- Choice of various viewing angles
- Available on tape and reel
- Reliable and robust

■ Descriptions :

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

■ 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.

PART NO	Chip		Lens Color
	Material	Emitted Color	
333-2UYT/S530-A2	AlGaInP	Super Yellow	Yellow Trans

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■ Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$

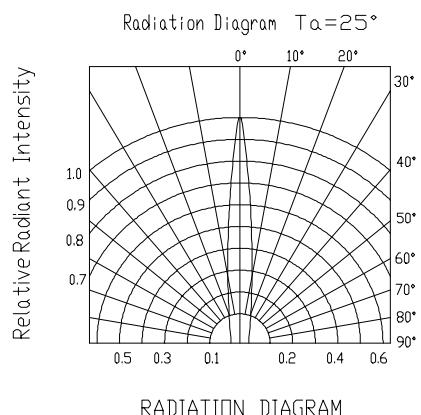
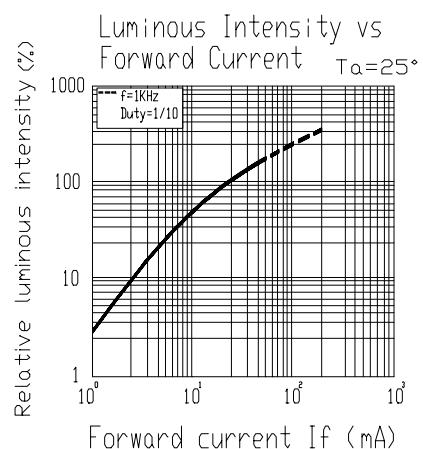
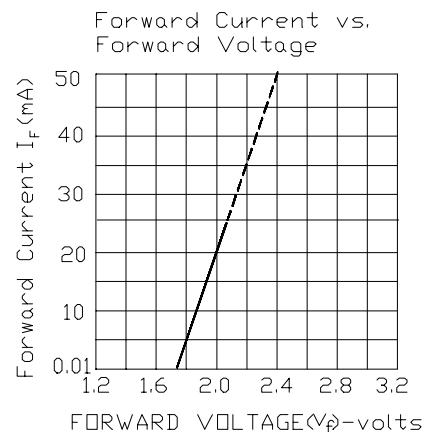
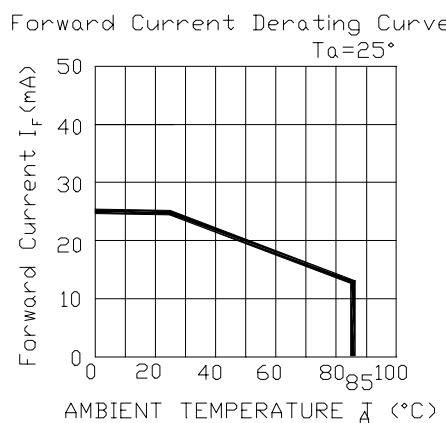
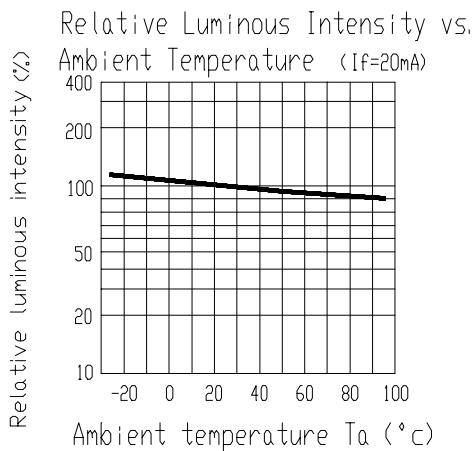
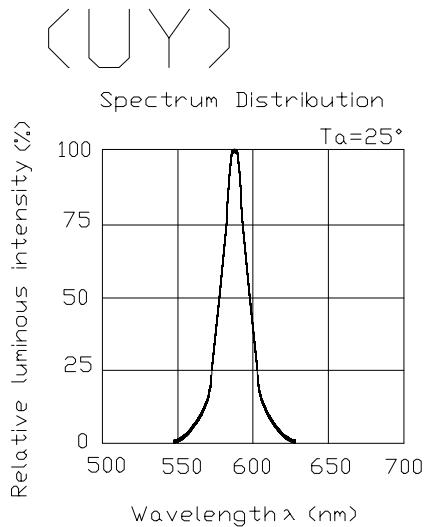
Parameter	Symbol	Rating	Unit
Forward Current	If	25	mA
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Electrostatic Discharge	ESD	2000	V
Power Dissipation	Pd	60	mW
Peak Forward Current(Duty 1/10 @ 1KHZ)	If(Peak)	160	mA
Reverse Voltage	Vr	5	V

■ Electronic Optical Characteristics :

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	630	1600	/	mcd	If= 20 mA
Viewing Angle	$2\theta_{1/2}$	/	10	/	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	$\Delta\lambda$	/	15	/	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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EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDLE-033-547 REV: 1

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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°C ± 5 °C	5 SEC	76 PCS	0/1
2	Temperature Cycle	H : +85°C 30min ↓ 5 min L : -55°C 30min	50 CYCLES	76 PCS	0/1
3	Thermal Shock	H : +100°C 5min ↓ 10 sec L : -10°C 5min	50 CYCLES	76 PCS	0/1
4	High Temperature Storage	TEMP : 100°C	1000 HRS	76 PCS	0/1
5	Low Temperature Storage	TEMP : -55°C	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°C /85% RH	1000 HRS	76 PCS	0/1

Mouser Electronics

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