



# EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DLE-026-320 REV: 1.0

3mm Round Small Flange Without stand-off LEDs, T-1

MODEL NO : 264-7UYC/S530-A2 ECN : \_\_\_\_\_ Page: 1/4

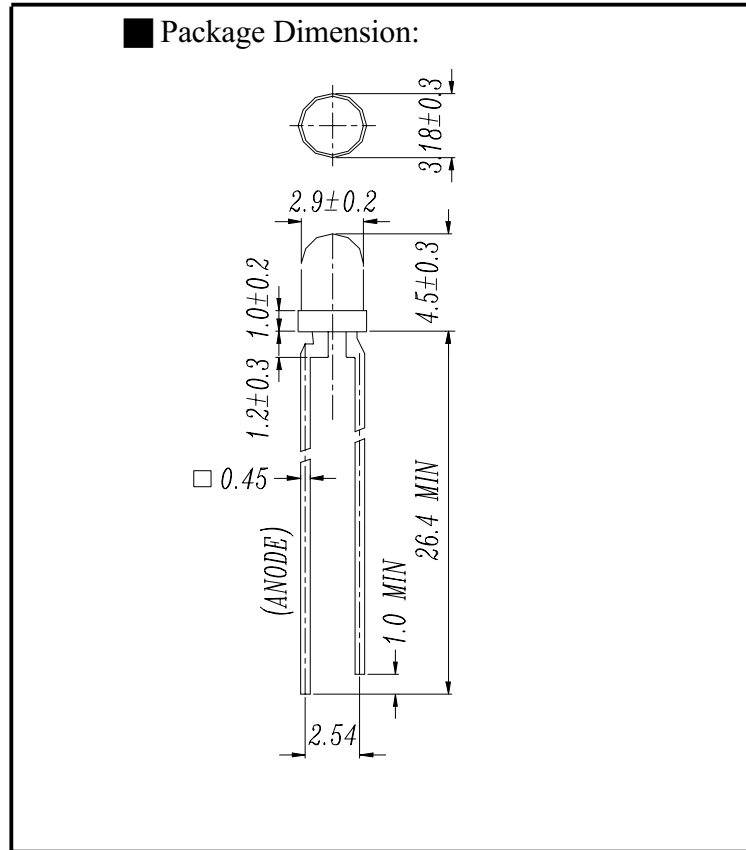
### Features :

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

### Description :

- 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	
264-7UYC/S530-A2	AlGaInP	Super Yellow	Water Clear

DESIGNER	CHECKER	APPROVER

Office : NO 25,Lane 76,Chung Yang Rd,Sec.3  
Tucheng,Taipei 236,Taiwan,R.O.C.

TEL : 886-2-2267-2000,2267-9936(22 Lines)  
FAX : 886-2-2267-6189



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

Parameter	Symbol	Rating	Unit
Forward Current	$I_f$	25	mA
Operating Temperature	$T_{opr}$	-40 to +85	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 to +100	$^\circ\text{C}$
Soldering Temperature	$T_{sol}$	$260 \pm 5$	$^\circ\text{C}$
Power Dissipation	$P_d$	60	mW
Peak Forward Current(Duty 1/10 @ 1KHZ)	$I_f(\text{Peak})$	160	mA
Reverse Voltage	$V_r$	5	V

## ■ Electronic Optical Characteristics :

Parameter	Symbol	MIN.	TYP.	MAX.	Unit	Condition
Luminous intensity	$I_v$	----- 50	7.8 130	-----	mcd	$I_f=2\text{mA}$ $I_f=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	-----	40	----	deg	$I_f=20\text{mA}$
Peak Wavelength	$\lambda_p$	----	591	----	nm	$I_f=20\text{mA}$
Dominant Wavelength	$\lambda_d$	----	589	-----	nm	$I_f=20\text{mA}$
Spectrum Radiation Bandwidth	$\Delta\lambda$	----	15	----	nm	$I_f=20\text{mA}$
Forward Voltage	$V_f$	-----	2.0	2.4	V	$I_f=20\text{mA}$
Reverse Current	$I_r$	----	----	10	$\mu\text{A}$	$V_r=5\text{V}$

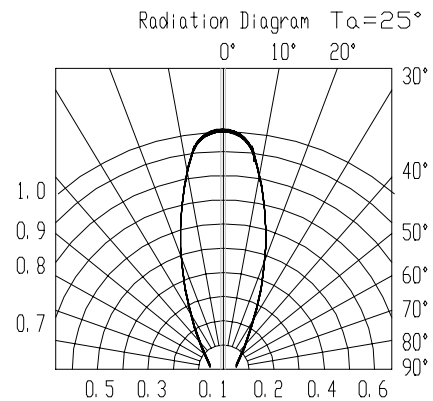
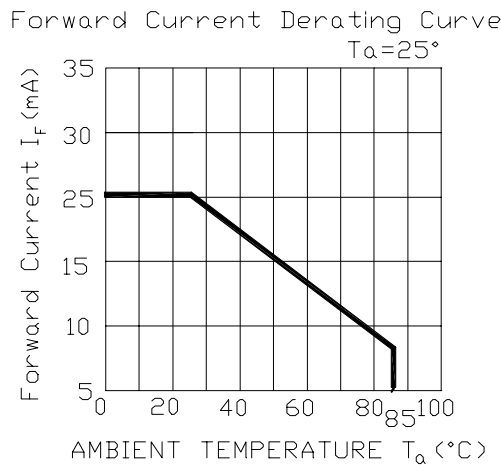
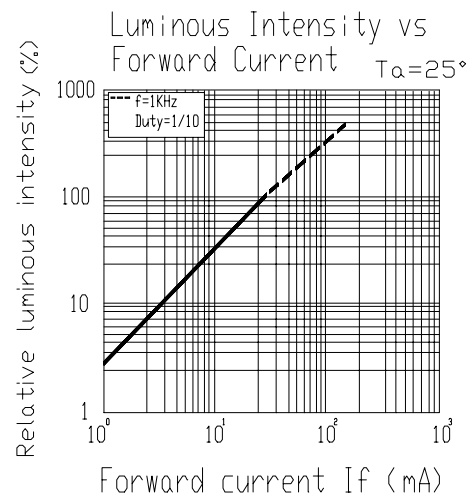
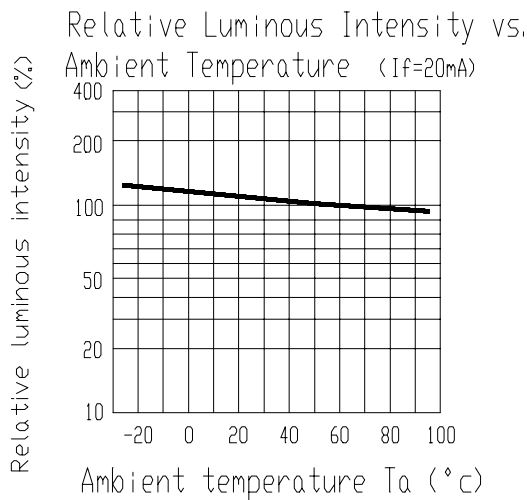
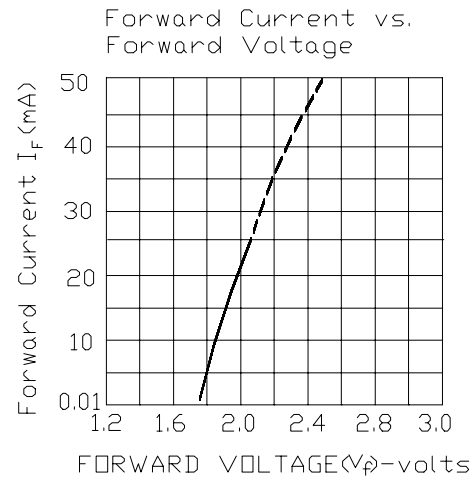
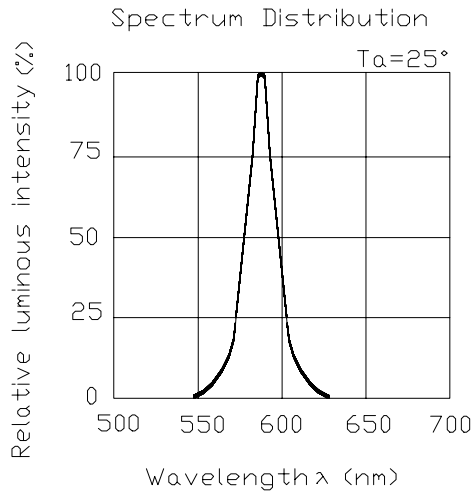


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## ■ Typical Electro-Optical Characteristic Curves





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## ■ Reliability test items and conditions

NO	Item	Test Conditions	Test Hours/Cycle	Sample Size	Ac/Re
1	Soldering Heat	TEMP : 260°C ± 5 °C	10±1 SEC	76 Pcs	0/1
2	Solderability	TEMP : 230°C ± 5 °C	5±1 SEC	76 Pcs	0/1
3	Temperature Cycle	H : +85°C 30min ∫ 5 min L : -55°C 30min	50 CYCLE	76 Pcs	0/1
4	Thermal Shock	H : +100°C 5min ∫ 10 sec L : -10°C 5min	50 CYCLE	76 Pcs	0/1
5	High Temperature Storage	TEMP : 100°C	1000 HRS	76 Pcs	0/1
6	Low Temperature Storage	TEMP : -55°C	1000 HRS	76 Pcs	0/1
7	DC Operating Life	If = 20 mA	1000 HRS	76 Pcs	0/1
8	High Temperature / High Humidity	85°C/85% RH	1000 HRS	76 Pcs	0/1