



# EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DLE-026-363 REV: 1.0

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

MODEL NO : 264-10YD ECN : \_\_\_\_\_ Page: 1/4

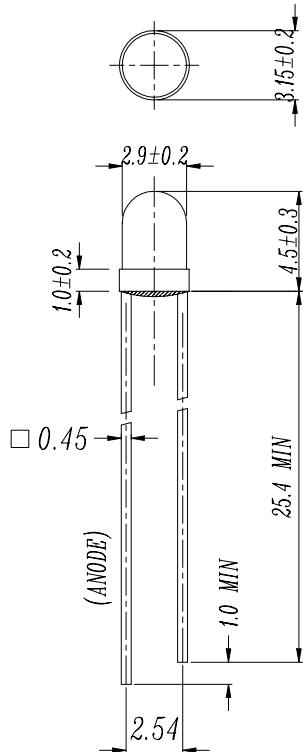
## ■ Features :

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

## ■ Descriptions :

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

## ■ Package Dimensions:



## ■ 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	
264-10YD	GaAsP/GaP	Yellow	Yellow Diffused

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## ■ Absolute Maximum Ratings at Ta = 25°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
Power Dissipation	Pd	85	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	2.5	10	-----	mcd	If=10mA
Viewing Angle	2θ 1/2	-----	60	-----	deg	If=20mA
Peak Wavelength	λ p	-----	585	-----	nm	If=20mA
Dominant Wavelength	λ d	-----	590	-----	nm	If=20mA
Spectrum Radiation Bandwidth	△λ	-----	35	-----	nm	If=20mA
Forward Voltage	Vf	1.7	2.0	2.4	V	If=20mA
Reverse Current	Ir	-----	-----	10	μA	Vr=5V



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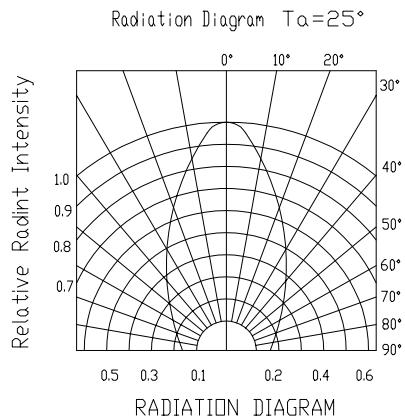
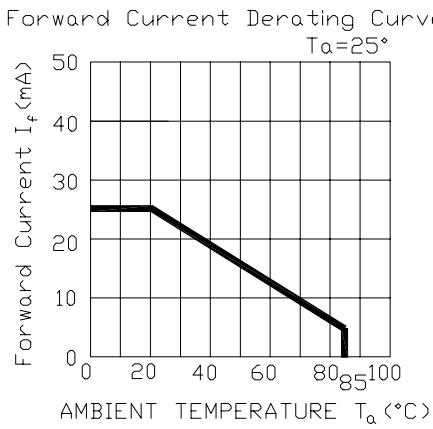
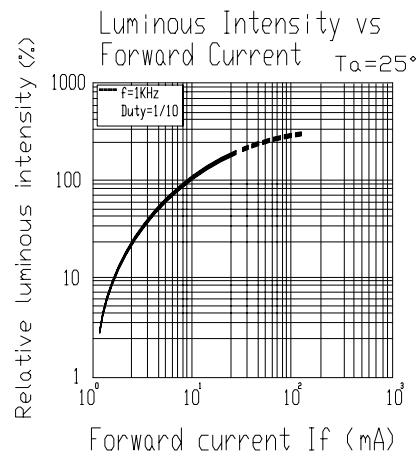
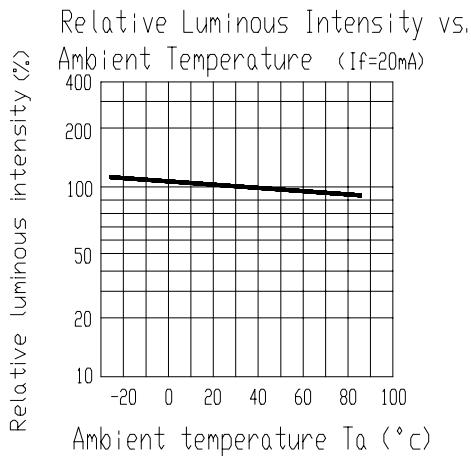
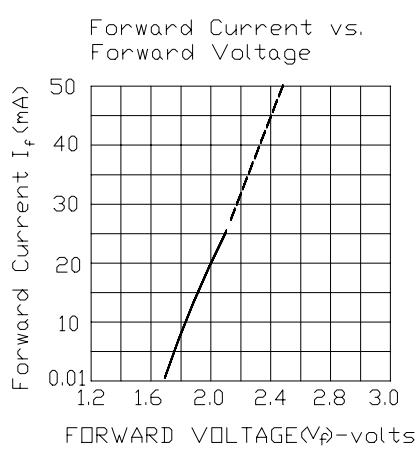
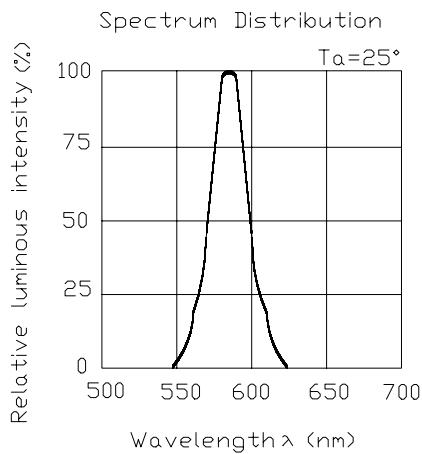
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## ■ Typical Electro-Optical Characteristic Curves





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## ■ Reliability test items and conditions

NO	Item	Test Conditions	Test Hours/Cycle	Sample Size	Ac/Re
1	Solder Heat	TEMP : $260^{\circ}\text{C} \pm 5^{\circ}\text{C}$	5 SEC	76 PCS	0/1
2	Temperature Cycle	H : $+85^{\circ}\text{C}$ 30min ↓ 5 min L : $-55^{\circ}\text{C}$ 30min	50 CYCLE	76 PCS	0/1
3	Thermal Shock	H : $+100^{\circ}\text{C}$ 5min ↓ 10 sec L : $-10^{\circ}\text{C}$ 5min	50 CYCLE	76 Pcs	0/1
4	High Temperature Storage	TEMP : $100^{\circ}\text{C}$	1000 HRS	76 PCS	0/1
5	Low Temperature Storage	TEMP : $-55^{\circ}\text{C}$	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