



# EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DLE-026-234 REV: 1.2

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

MODEL NO : 264-7YD ECN : \_\_\_\_\_ Page: 1/4

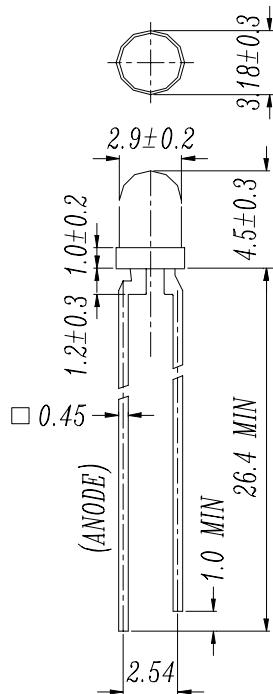
## ■ Features :

- 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	
264-7YD	GaAsP/GaP	Yellow	Yellow Diffused

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



# EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DLE-026-234 REV: 1.2

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

MODEL NO : 264-7YD ECN :        Page: 2/4

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

Parameter	Symbol	Rating	Unit
Forward Current	If	20	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	6.3	10.0	-----	mcd	If=10mA
Viewing Angle	$2\theta_{1/2}$	-----	60	-----	deg	If=20mA
Peak Wavelength	$\lambda_p$	-----	585	-----	nm	If=20mA
Dominant Wavelength	$\lambda_d$	-----	590	-----	nm	If=20mA
Spectrum Radiation Bandwidth	$\Delta\lambda$	-----	35	-----	nm	If=20mA
Forward Voltage	Vf	1.7	2.0	2.6	V	If=20mA
Reverse Current	Ir	-----	-----	10	$\mu\text{A}$	Vr=5V



# EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DLE-026-234

REV: 1.2

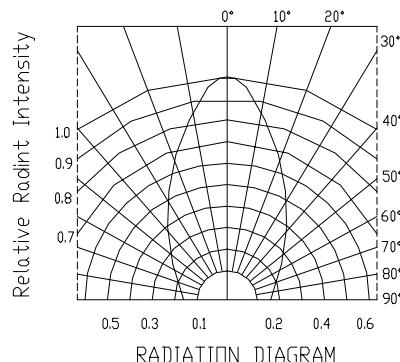
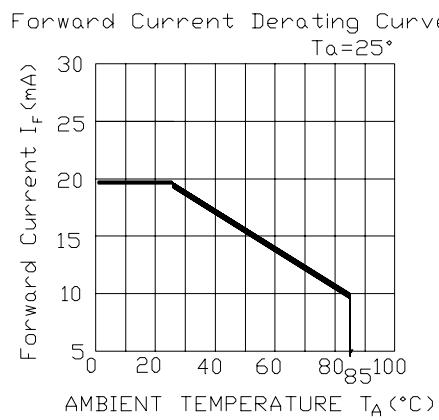
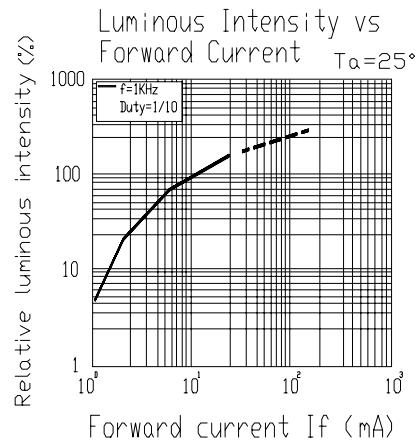
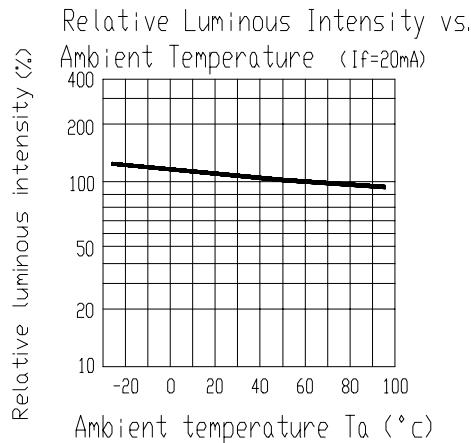
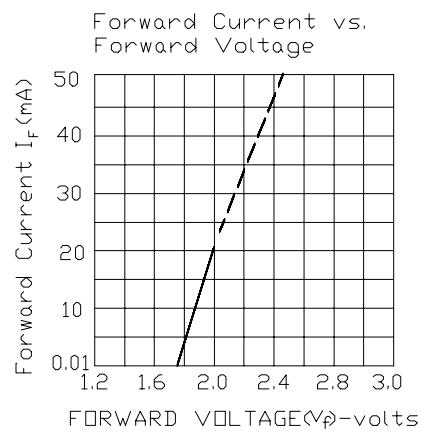
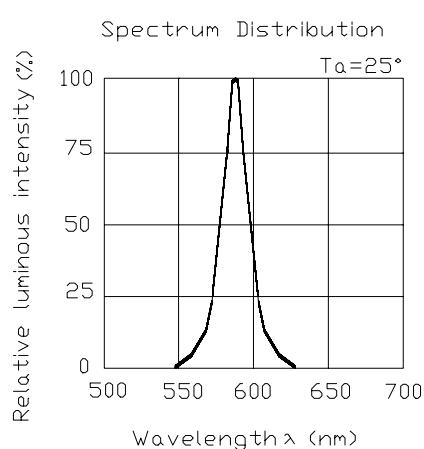
3mm Round Small Flange Without stand-off LEDs, T-1

MODEL NO 264-7YD

ECN : \_\_\_\_\_

Page: 3/4

## ■ Typical Electro-Optical Characteristic Curves





# EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DLE-026-234

REV: 1.2

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

MODEL NO 264-7YD ECN :            Page: 4/4

## ■ 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