



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DLE-052-059 REV.: 1.1

2.0*5.0mm Multi-Color Rectangle Type LED Lamps

PART NO. : 526YGW ECN : Page: 1/5

■ Features :

- Two chips are matched for uniform light output, wide viewing angle
- Long life-solid state reliability
- IC compatible/Low power consuming

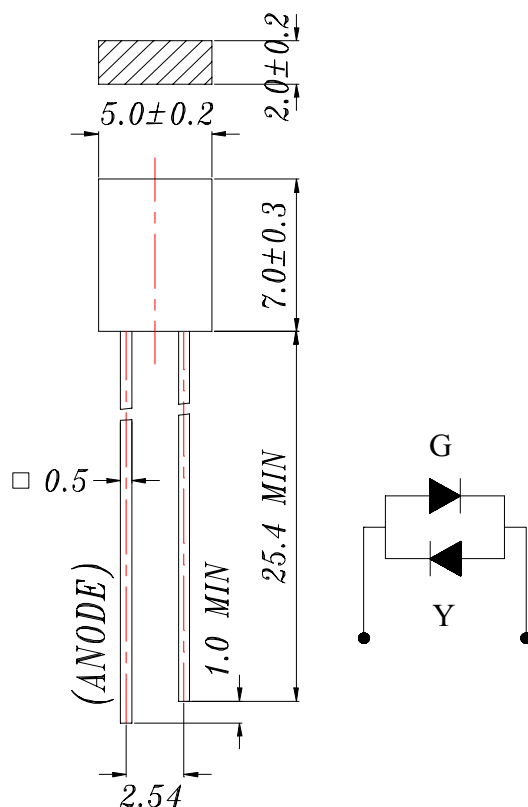
■ Descriptions :

- The 526 LED lamp contain two integral chips and are available as both bicolor and bipolar types.
- The Yellow Light and Green light is emitted by diodes of GaAsP/GaP and GaP respectively.
- Type of bipolar lamps are both White Diffused and Color Diffused while the bicolor are White Diffused.

■ 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	
526YGW	GaAsP/GaP	Yellow	White Diffused
	GaP	Green	

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■ Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Rating	Unit
Forward Current	IF	Y 25	mA
		G 30	
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Power Dissipation	Pd	Y 85	mW
		G 100	
Peak Forward Current (Duty 1/10 @ 1KHz)	IF(Peak)	Y 160	mA
		G 160	
Reverse Voltage	VR	5	V

■ Electronic Optical Characteristics :

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv Y	1.0	1.6	/	mcd	IF= 10 mA
	G	1.0	1.6	/		
Viewing Angle	2 θ 1/2	/	180	/	deg	IF= 20 mA
Peak Wavelength	λ p Y	/	585	/	nm	IF= 20 mA
	G	/	565	/		
Dominant Wavelength	λ d Y	/	590	/	nm	IF= 20 mA
	G	/	570	/		
Spectrum Radiation Bandwidth	△ λ Y	/	35	/	nm	IF= 20 mA
	G	/	30	/		
Forward Voltage	VF Y	1.7	2.0	2.4	V	IF= 20 mA
	G	1.7	2.1	2.4		
Reverse Current	IR	/	/	10	μ A	VR= 5 V



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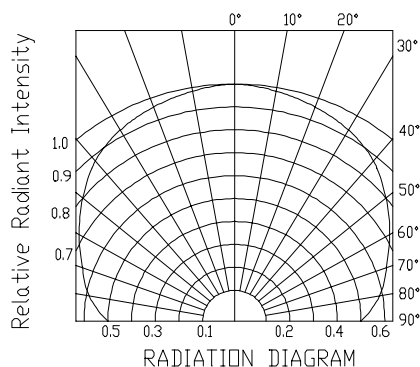
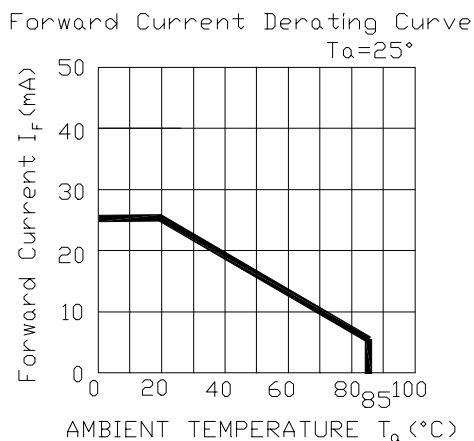
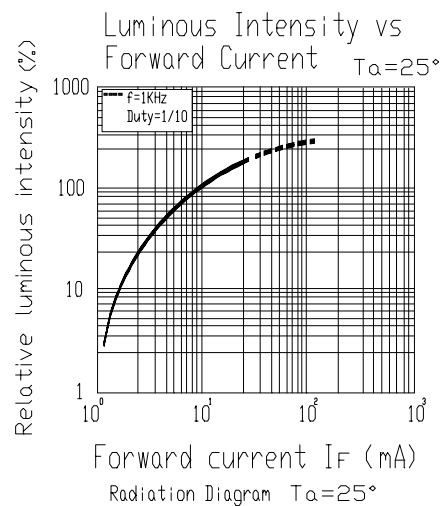
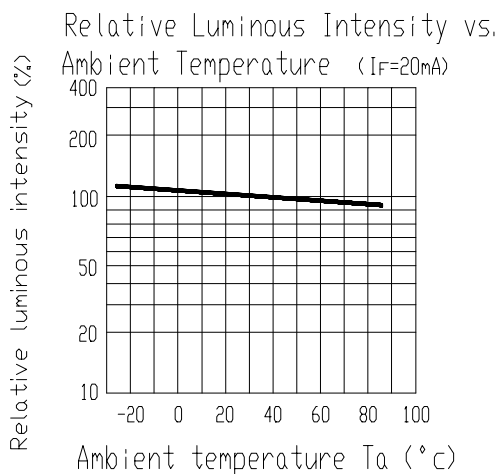
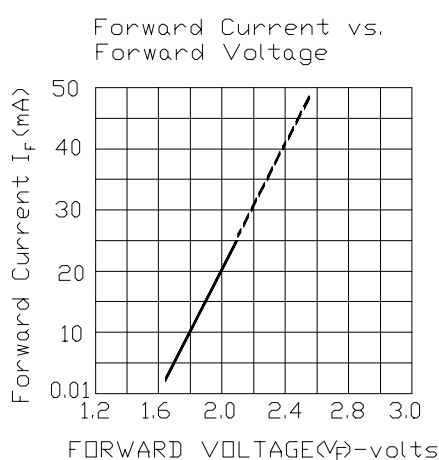
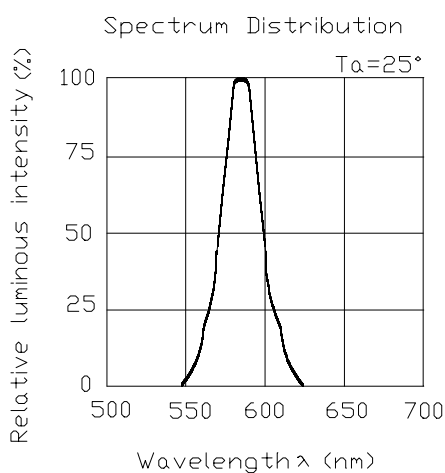
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■ Typical Electro-Optical Characteristic Curves:

(Y)





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■ Typical Electro-Optical Characteristic Curves:

(G)

