



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DLE-051-074 REV: 1.0

2.0*5.0mm Rectangle Type LED Lamps

MODEL NO : 514SYGC/S530-E1 ECN : _____ Page: 1/4

■ Features :

- Choice of various viewing angles
- Available on tape and reel
- Reliable and robust

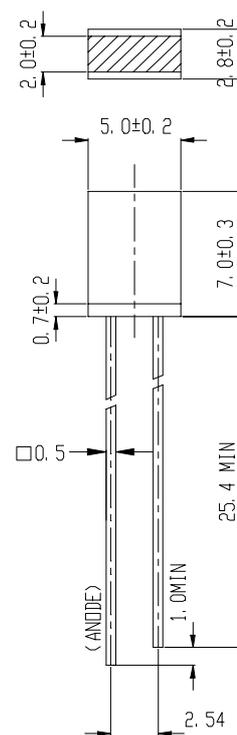
■ Descriptions :

- The series is specially designed for applications require higher brightness than that achievable with standard lamp.
- The LED lamp are available with different colors, light intensities, epoxy colors, etc.

■ Applications :

- TV set
- Monitor
- Telephone
- Computer

■ Package Dimensions:



■ NOTES :

1. All dimensions are in millimeters.
2. Epoxy meniscus may extend about 1.5mm(0.059") down to the lead.

PART NO	CHIP		Lens Color
	Material	Emitted Color	
514SYGC/S530-E1	AlGaInP	Super Yellow Green	Water Clear

DESIGNER	CHECKER	APPROVER

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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
Electrostatic Discharge	ESD	2000	V
Soldering Temperature	Tsol	260 ± 5	°C
Power Dissipation	Pd	60	mW
Peak Forward Current(Duty 1/10 @ 1KHZ)	If(Peak)	120	mA
Reverse Voltage	Vr	5	V

Electronic Optical Characteristics :

Parameter	Symbol	MIN.	TYP.	MAX.	Unit	Condition
Luminous intensity	Iv	6.3	0.6 10	/	mcd	If= 2 10 mA
Viewing Angle	2θ 1/2	/	110	/	deg	If= 20 mA
Peak Wavelength	λ p	/	575	/	nm	If= 20 mA
Dominant Wavelength	λ d	/	573	/	nm	If= 20 mA
Spectrum Radiation Bandwidth	Δ λ	/	20	/	nm	If= 20 mA
Forward Voltage	Vf	/	2.00	2.40	V	If= 20 mA
Reverse Current	Ir	/	/	10	μ A	Vr= 5 V



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■ Typical Electro-Optical Characteristic Curves

