



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DLE-822-005 REV: 1.0

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

PART NO : 8224-10SYGD/S400-E3 ECN : _____ Page: 1/4

■ Features :

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

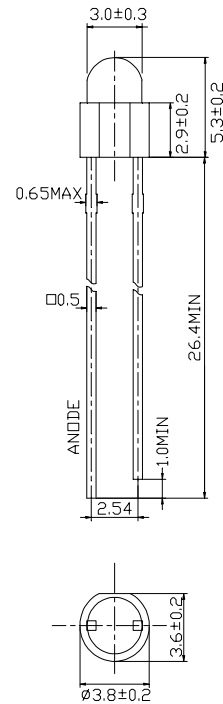
■ Descriptions :

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

■ 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	
8224-10SYGD/S400-E3	AlGaInP	Super Yellow Green	Green Diffused

A8912540,8912125

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Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Rating	Unit
Forward Current	IF	40	mA
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Power Dissipation	Pd	100	mW
Peak Forward Current(Duty 1/10 @ 1KHz)	IF(Peak)	180	mA
Reverse Voltage	VR	5	V

Electronic Optical Characteristics :

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	63	100	/	mcd	IF= 20 mA
Viewing Angle	2θ 1/2	/	40	/	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	/	2.0	2.4	V	IF= 20 mA
Reverse Current	IR	/	/	10	μ A	VR= 5 V

