



### 3mm Round LEDs

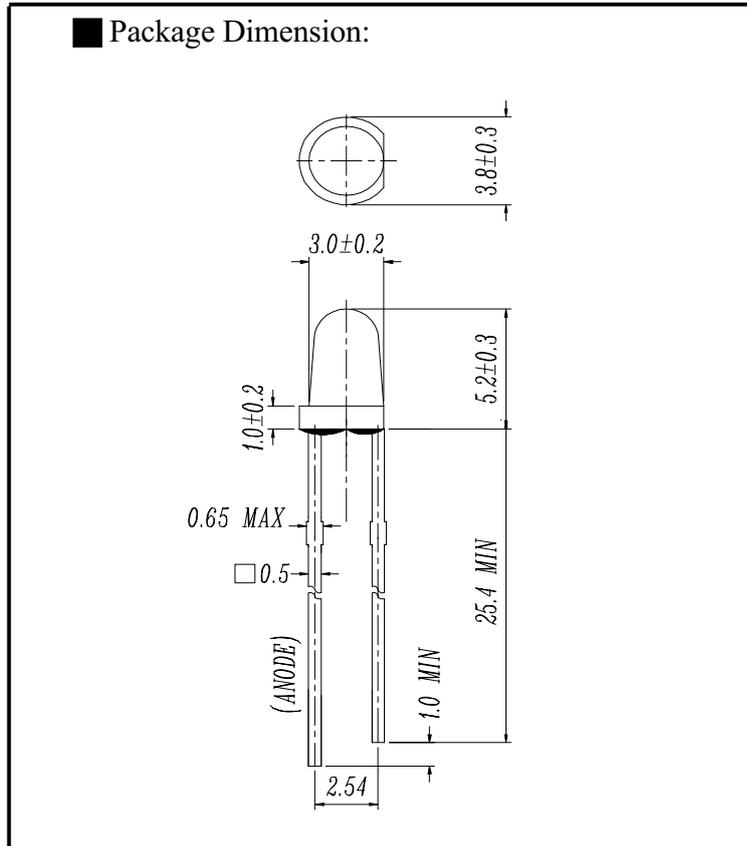
■ Features :

- 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	
1224USOC/S530-A6	AlGaInP	Super Sunset Orange	Water Clear

DESIGNER	CHECKER	APPROVER

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■ Absolute Maximum Ratings at T<sub>A</sub> = 25°C

Parameter	Symbol	Rating	Unit
Forward Current	I <sub>f</sub>	25	mA
Operating Temperature	T <sub>opr</sub>	-40 to +85	°C
Storage Temperature	T <sub>stg</sub>	-40 to +100	°C
Soldering Temperature	T <sub>sol</sub>	260 ± 5	°C
Power Dissipation	P <sub>d</sub>	60	mW
Peak Forward Current(Duty 1/10 @ 1KHZ)	I <sub>f(peak)</sub>	160	mA
Reverse Voltage	V <sub>r</sub>	5	V

■ Electronic Optical Characteristics :

Parameter	Symbol	MIN.	TYP.	MAX.	Unit	Condition
Luminous intensity	I <sub>v</sub>	--- 400	40.2 670	----	mcd	I <sub>f</sub> =2mA I <sub>f</sub> =20mA
Viewing Angle	2 θ 1/2	----	25	----	deg	I <sub>f</sub> =20mA
Peak Wavelength	λ <sub>p</sub>	----	624	----	nm	I <sub>f</sub> =20mA
Dominant Wavelength	λ <sub>d</sub>	----	618	----	nm	I <sub>f</sub> =20mA
Spectrum Radiation Bandwidth	△ λ	----	20	----	nm	I <sub>f</sub> =20mA
Forward Voltage	V <sub>f</sub>	----	2.0	2.4	V	I <sub>f</sub> =20mA
Reverse Current	I <sub>r</sub>	----	----	10	μ A	V <sub>r</sub> =5V

ESD:2000



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#### ■ Typical Electro-Optical Characteristic Curves

