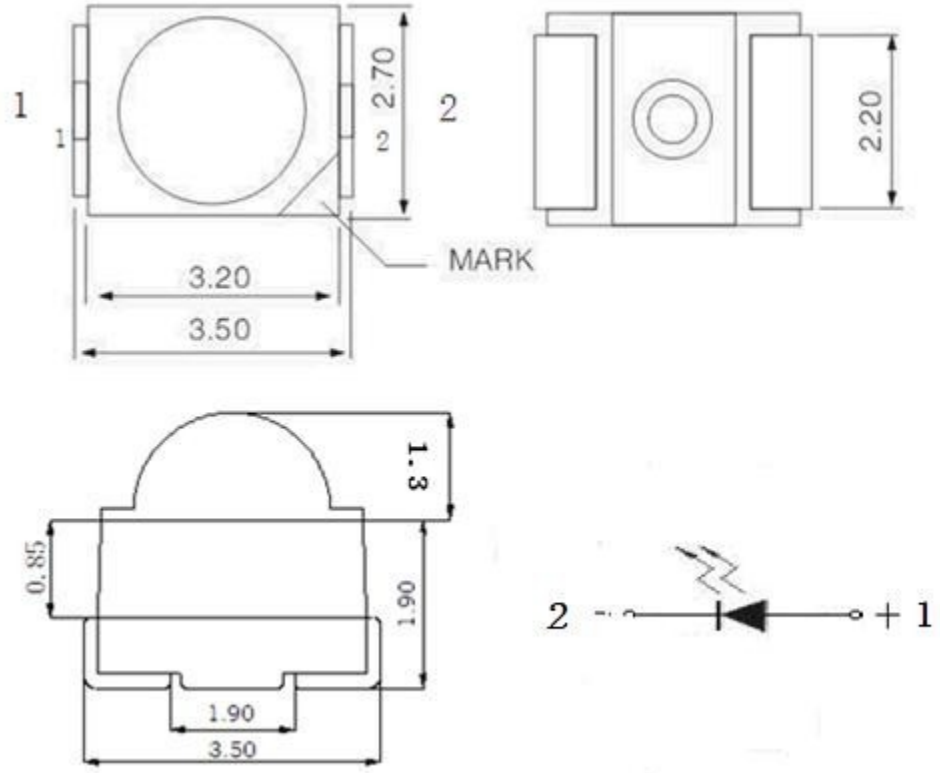
Approve Sheet

/Product	**LED**
/Part Number	IE-3528PG-SB-L-A01-Y
/Issue Date	
/customer specification	
/Customer	
(Lm/mcd)	IV:2500-3500mcd
/VF（V）	VF: 3.0-3.4v
（ Wd ）	WL:515-525nm
/CRI	
/other request	
/remarks	

■ Package Dimensions:



“小红帽” 系列

Notes

Tolerance is ± 0.25mm (.010”) unless otherwise noted.

Protruded resin under flange is 1.0mm(.04”) max.

Lead spacing is measured where the leads emerge from the package.

Specifications are subject to change without notice.

Absolute Maximum Ratings at TA=25

Parameter	Valce	Unit
Power Dissipation	60	mW
Peak Forward Current **(1/10 Duty Cycle, 0.1ms Pulse width**	50	mA
Continuous Forward Current	20	mA
Derating Linear From 50℃	0.4	mA /℃
Reverse Voltage	5	V
Test temperature	-40℃ to +85℃	
Storage Temperature Range	-0℃ to +40℃	
Lead Soldering Temperatur Δ **[4mm (.157") From Body]**	**260℃ for 5 Seconds**	

Electrical / Optical Characteristics at TA=25℃

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
wave length(λd)	**Wd**	**515**	**--**	**525**	**nm**	**IF=20mA**
Forward Voltage （R）	**VF**	**3.0**	**3.2**	**3.4**	**V**	
Viewing Angle	**2θ1/2**	**50**	**--**	**60**	**deg**	
Reverse Current	**IR**	**--**	**--**	**5**	**μA**	**VR=5V**

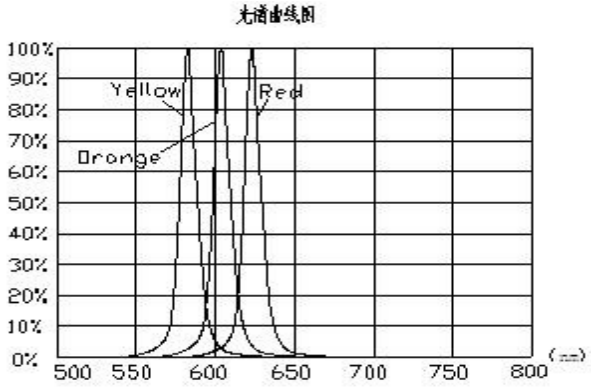
Notes. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commission International De L'Eclairage) eye-response curve.1/2 is the off-axis angle at which the luminous intensity is half the axial luminous and intensity.The dominant wavelength, λ d is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.The IV guarantee should be added ± 15%.

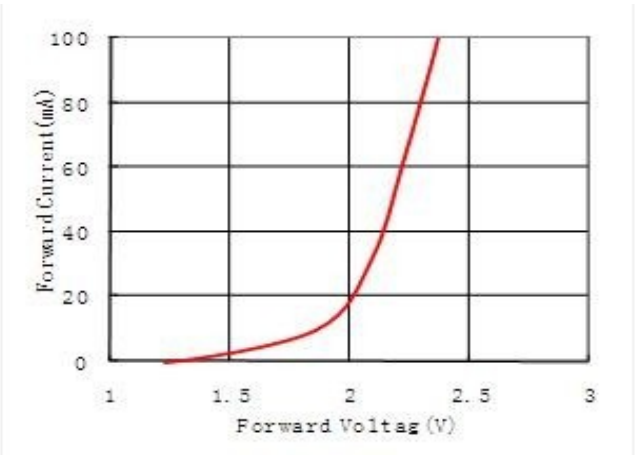
INTENSITY BIN LIMIT (IF=20mA)

Bin Code	Min(nm)	Max(nm)
A	515	520
B	520	525

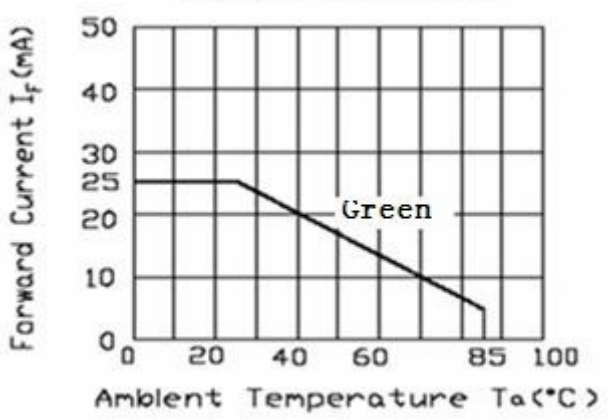
Bin Code	Min(V)	Max(V)
A	3.0	3.2
B	3.2	3.4

Optical Characteristics

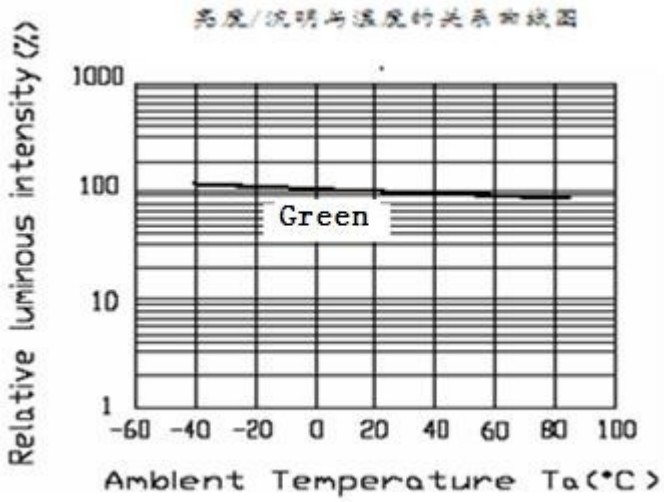


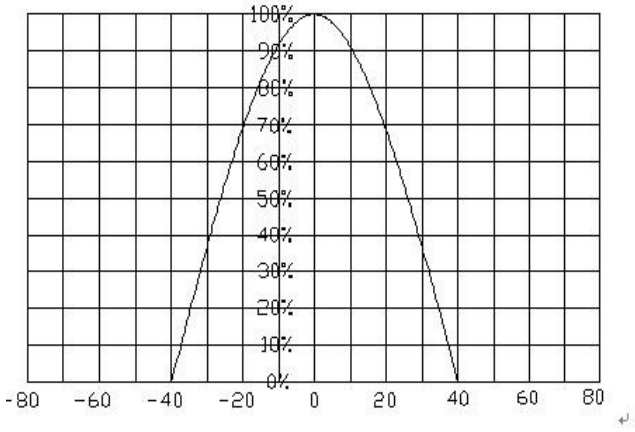


电流与温度关系曲线图

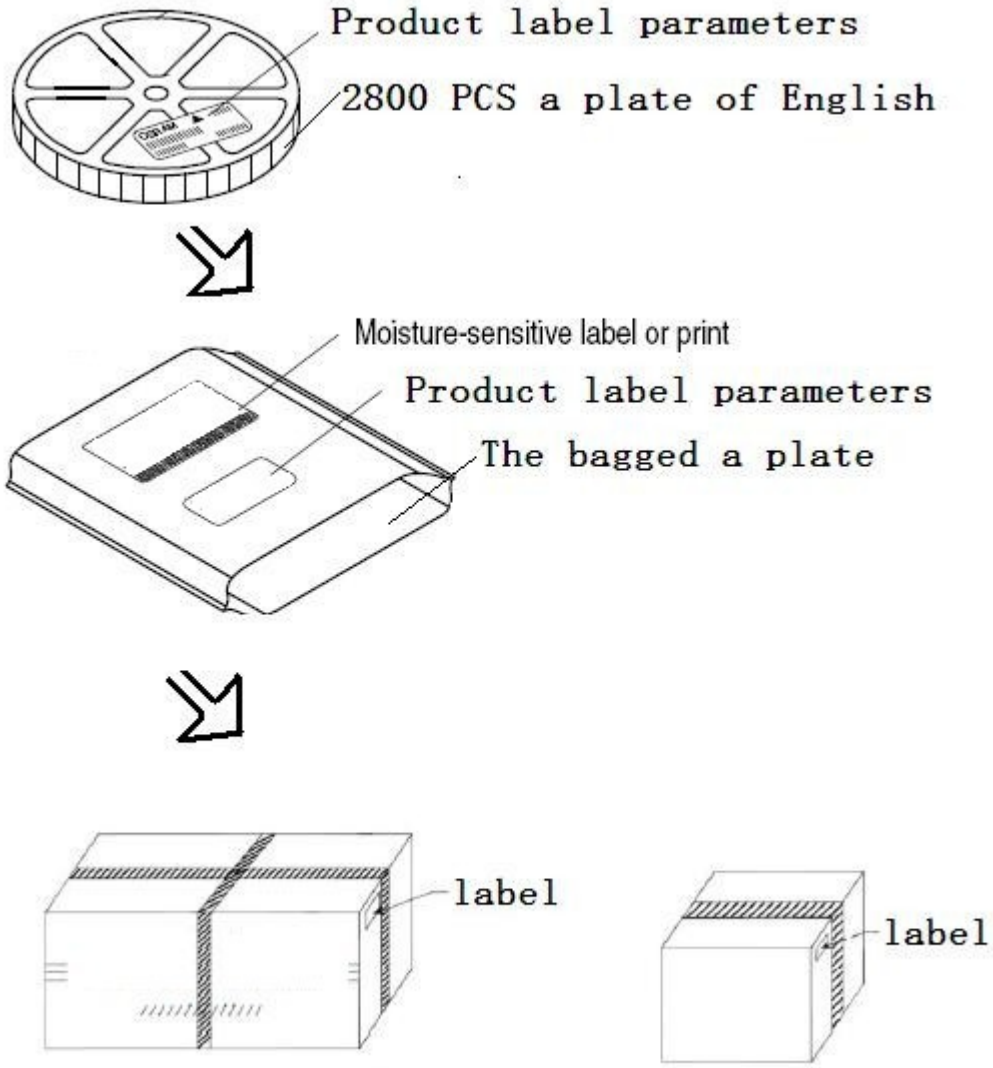


亮度/光明与温度的关系曲线图





Led packaging in English



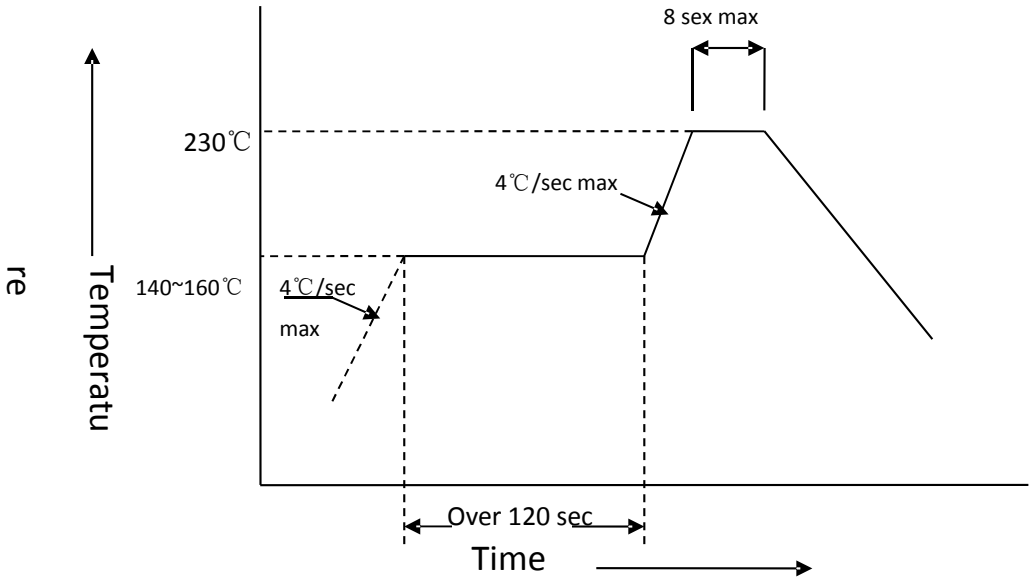
A case of 14 k in English

Reflow Soldering Instructions

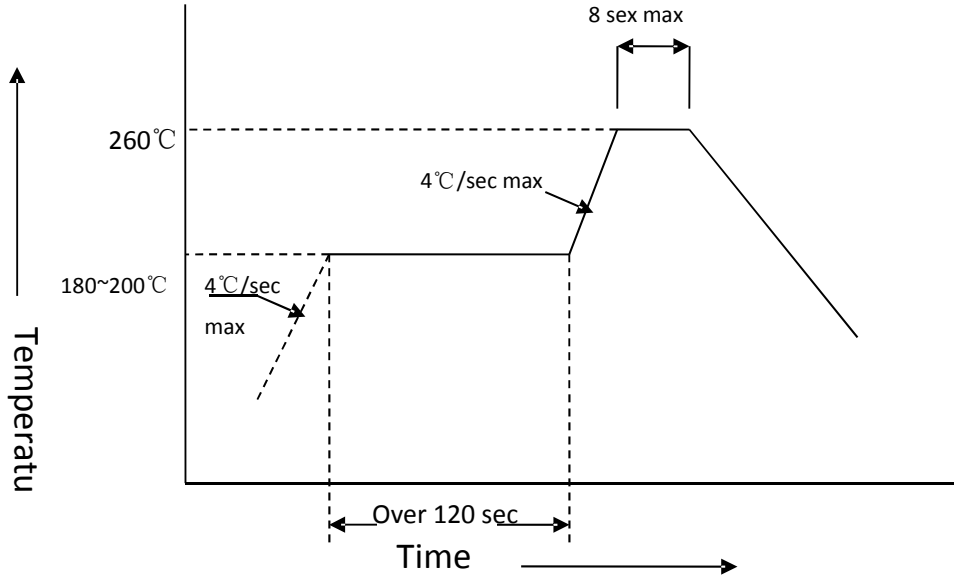
Number of reflow process shall be less than 2 times and cooling

process to normal temperature is required between first and Second soldering process.

1>Lead Solder

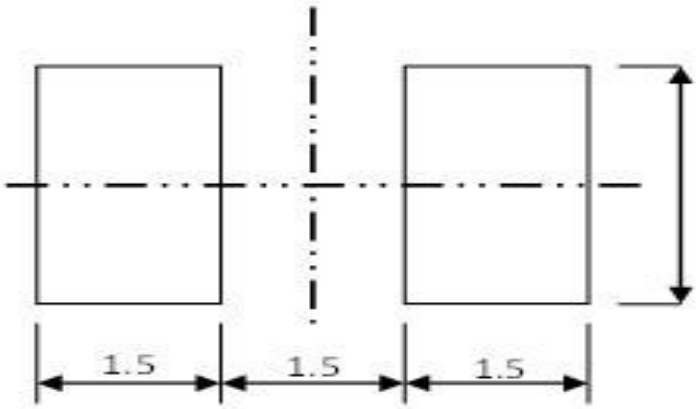


2>Lead-Free Solder



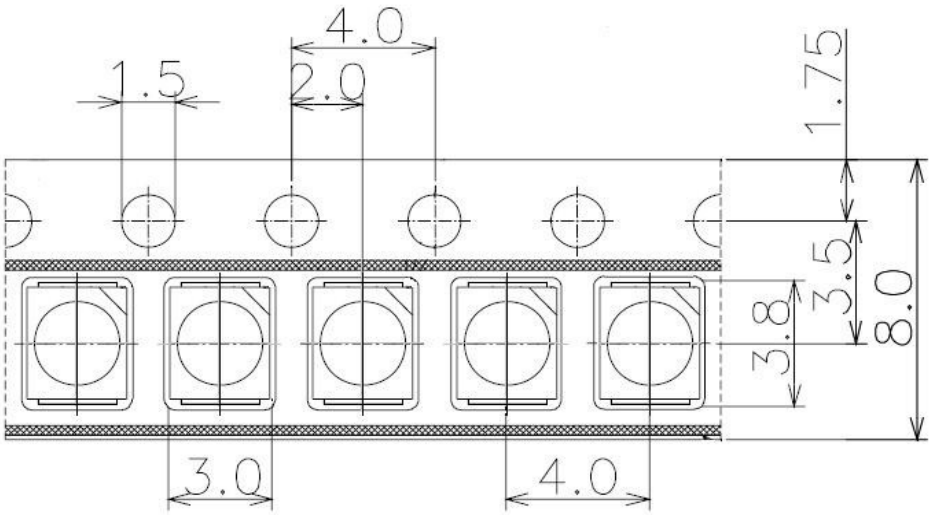
Recommended Soldering Pattern

<Units:mm>



Method of Taping / Polarity and Orientation

Packing unit 2000/reel, ø180 mm



Adhesion Strength of Cover Tape : Adhesion strength to be 0.1– 0.7N when the cover tape is turned off fromthe carrier at 10°angle to be the carrier tape.

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SMD LED