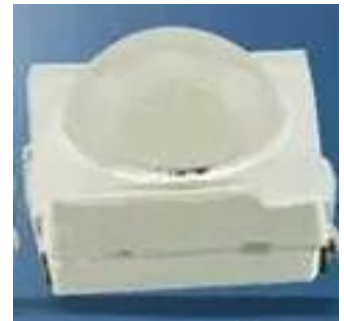
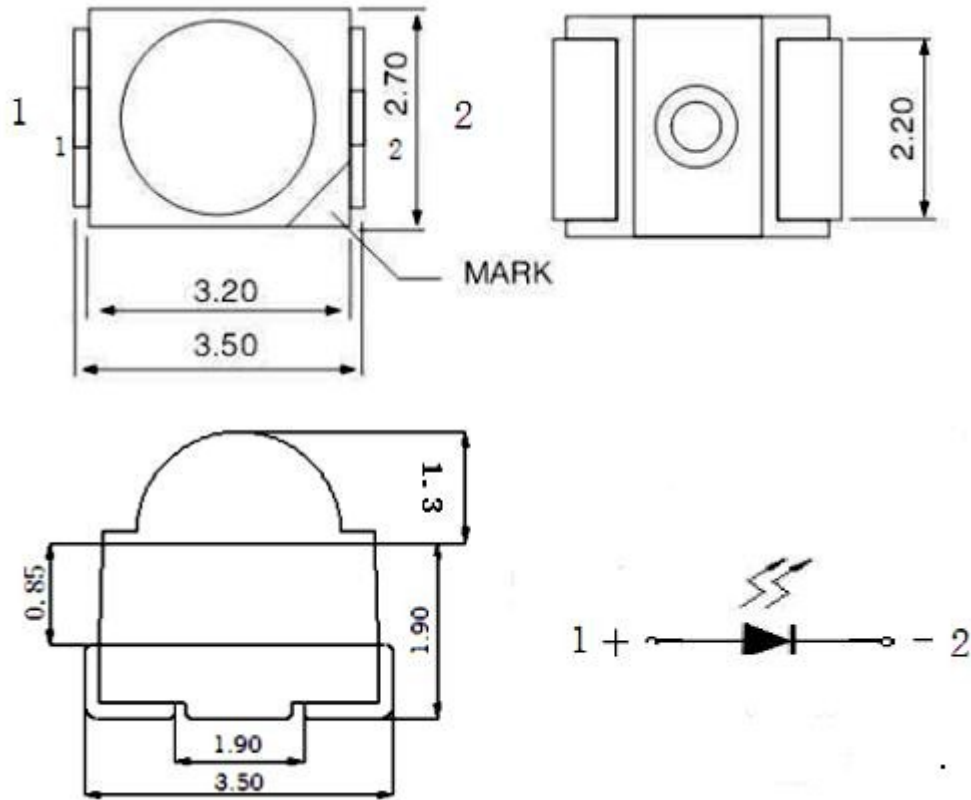

Approve Sheet

/Product	LED
/Part Number	IE-3528PG-SB-L-B01-Y
/Issue Date	
/customer specification	
/Customer	
(Lm/mcd)	2000-2500mcd
/VF (V)	3.0-3.4v
(Wd)	515-530nm
/CRI	
/other request	
/remarks	

■ PackageDimensions:



Notes

- Tolerance is $\pm 0.25\text{mm}$ (.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
Pulsed Forward Current (1/10 Duty Cycle, 0.1ms Pulse width)	50	mA
Continuous Forward Current	20	mA
Derating Linear From 50 °C	0.4	mA /°C
Reverse Voltage	5	V
Operation Temperature Range	-40°C to+85°C	
Storage Temperature Range	-40°C to +80°C	
Lead Soldering Temperature [4mm (.157") From Body]	260°C for 5 Seconds	

Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Luminous Intensity	IV	2000	--	2500	mcd	IF=20mA
Viewing Angle	2θ1/2	50	--	60	deg	Note 2
wave length(λd)	WL	515	--	520	nm	IF=20mA
		520		525		
		525		530		
Forward Voltage	VF	3.0	--	3.2	V	IF=20 mA
		3.2		3.4		
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)

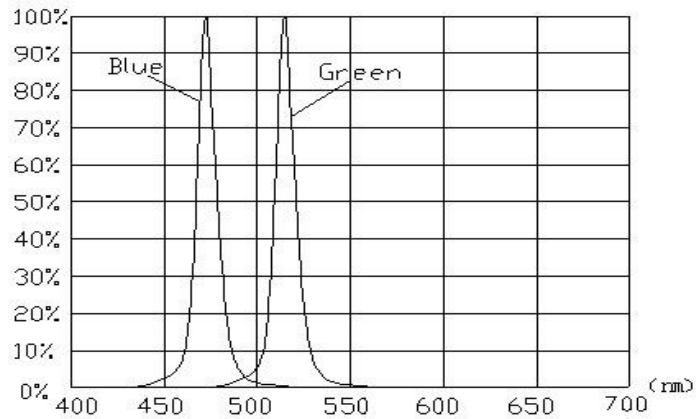
Bin Code	Min(mcd)	Max(mcd)
A	2000	2500

COLOR BIN LIMIT (IF =20mA)

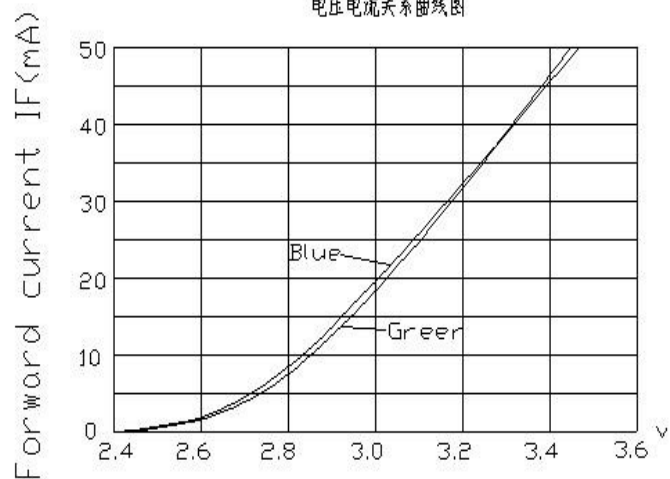
Bin Code	Min(nm)	Max(nm)
A	515	520
B	520	525
C	525	530

Optical Characteristics

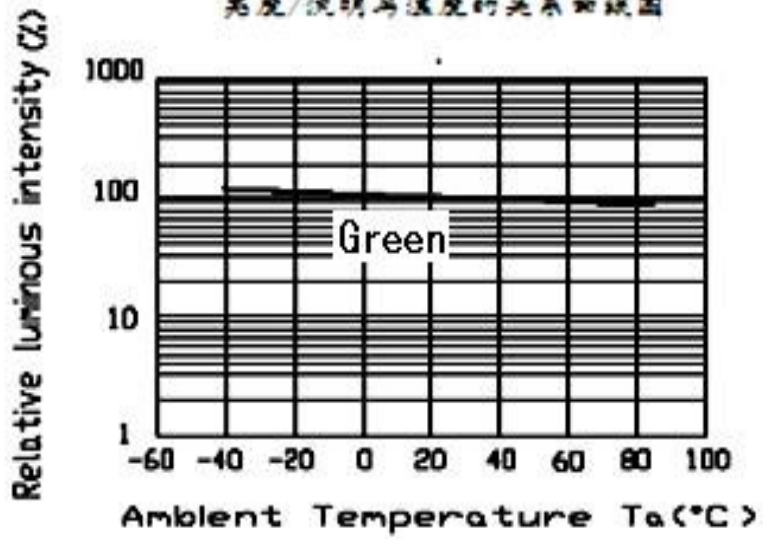
光谱曲线图



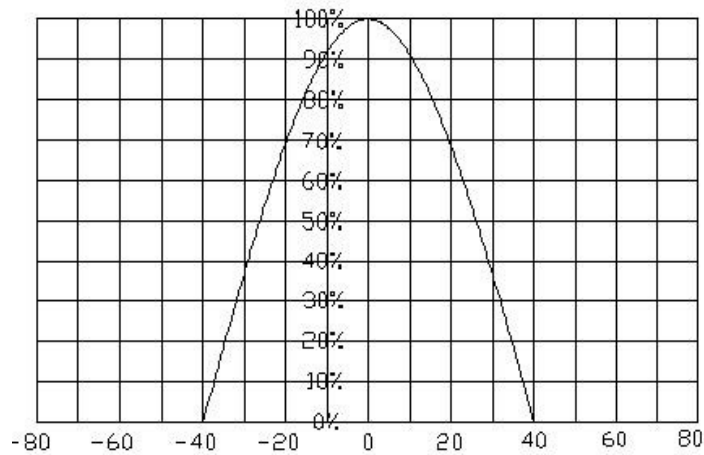
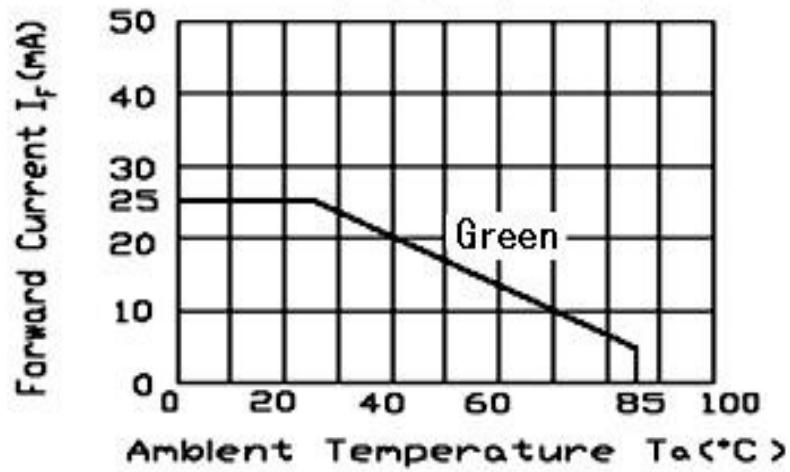
电压电流关系曲线图



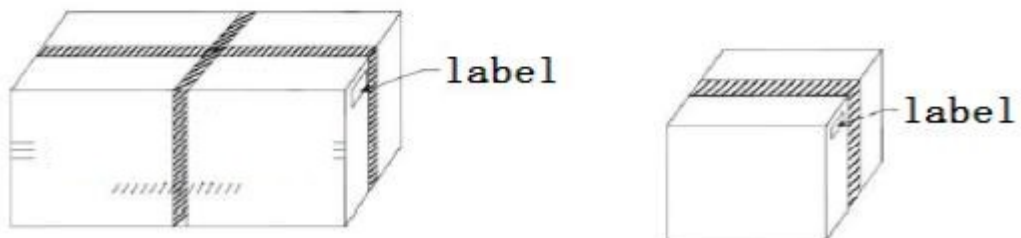
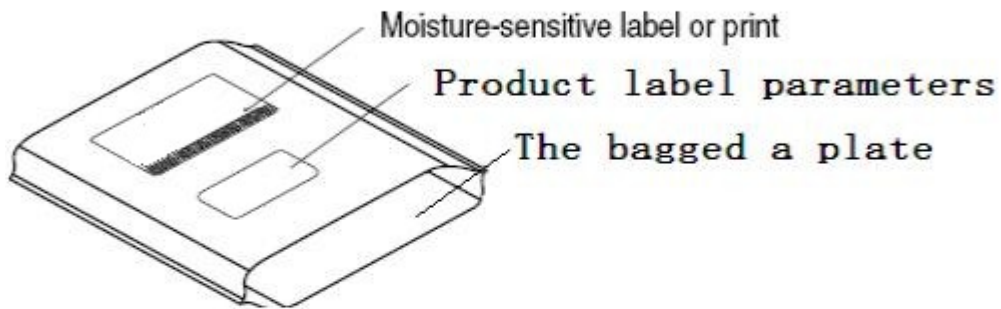
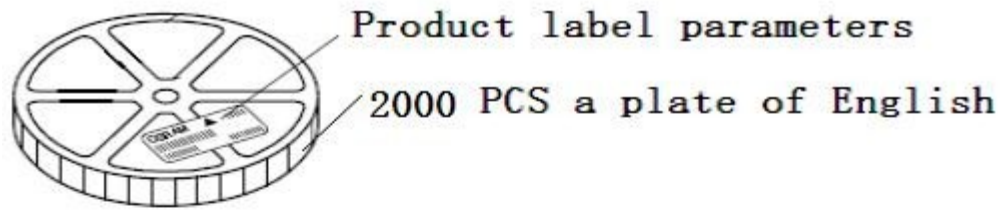
亮度/说明与温度的关系曲线图



电流与温度关系的曲线图



Led packaging in English:

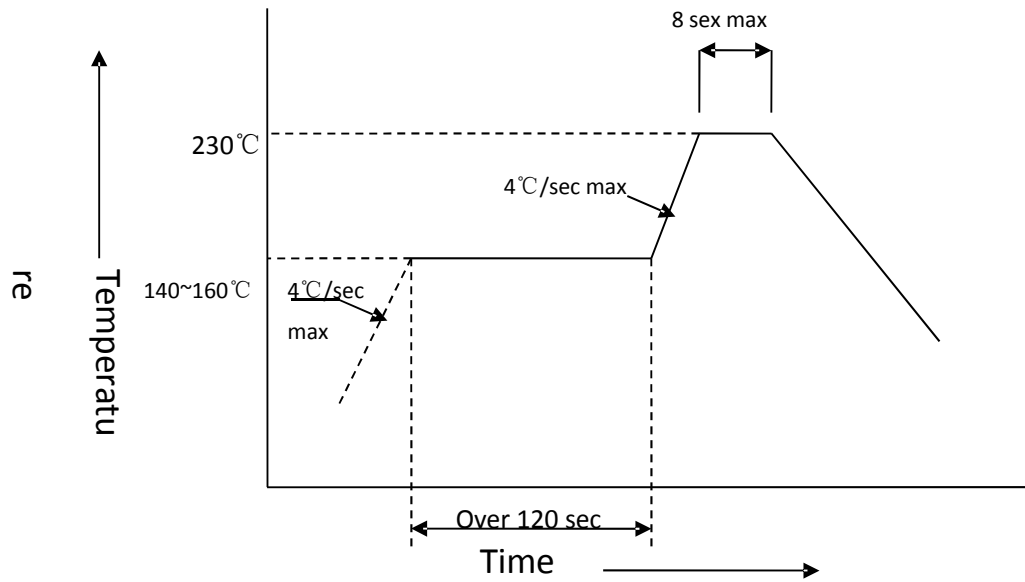


A case of 14 k in English

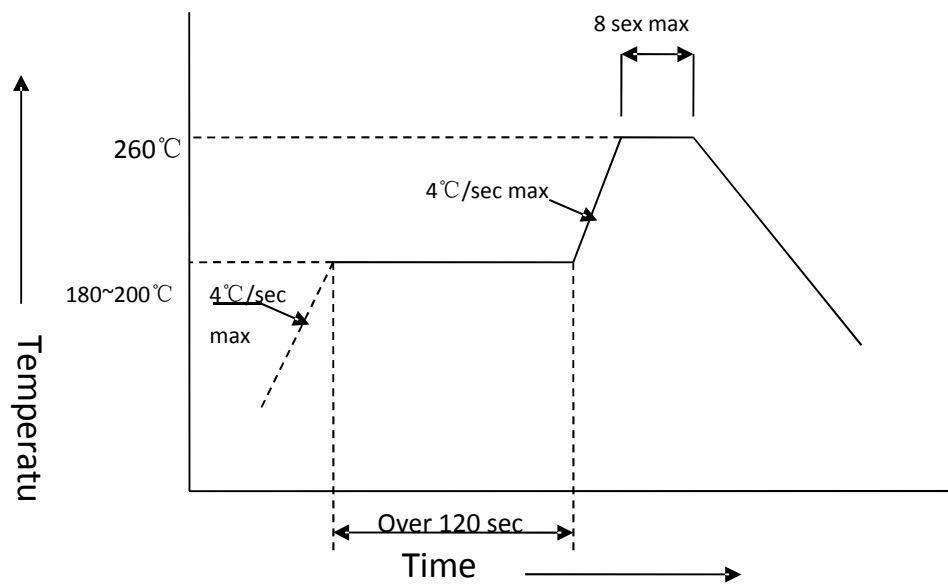
Reflow Soldering Instructions

Number of reflow process shall be less than 1 times and cooling

1>Lead Solder

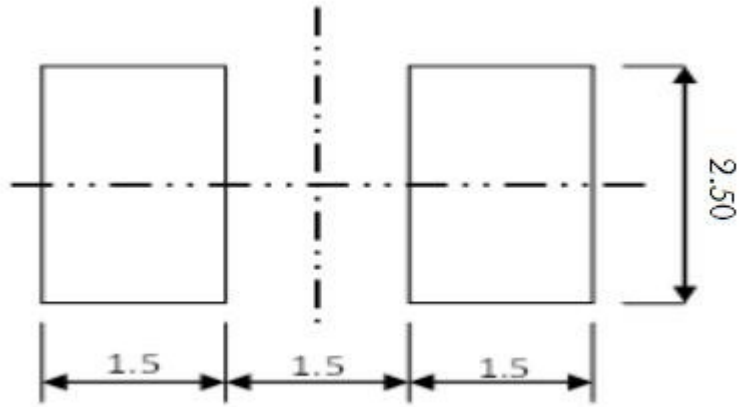


2>Lead-Free Solder(无铅回焊)

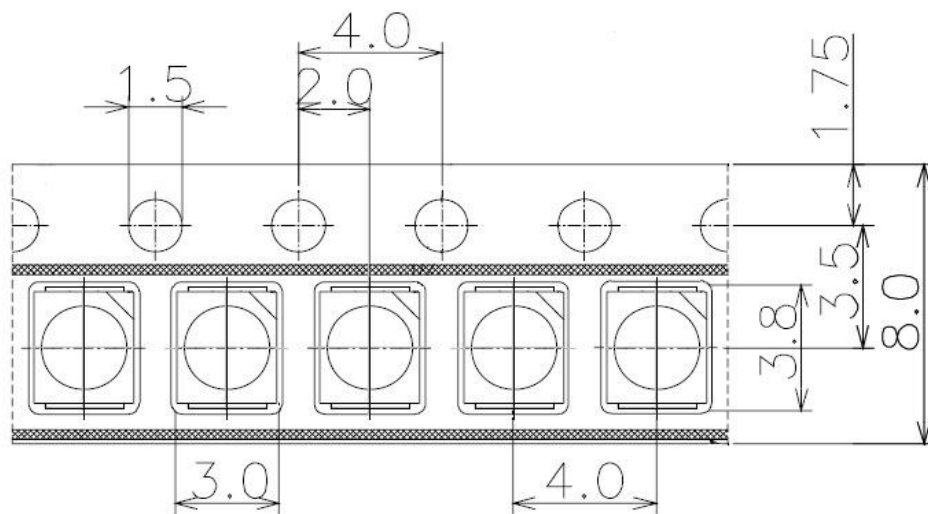


Recommended Soldering Pattern

<Units:mm>



Method of Taping / Polarity and Orientation



Packing unit 2000/reel, $\varnothing 180$ mm

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

SMD LED

