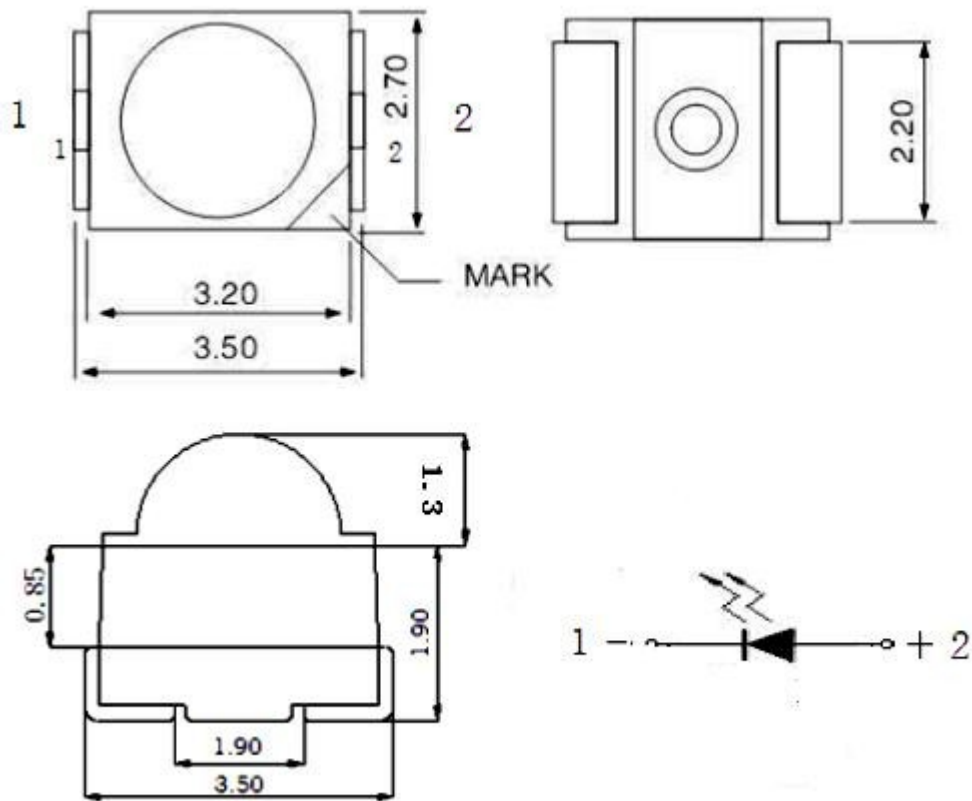

Approve Sheet

Product	LED
Part Number	IE-3528Y-SB-L-C01-Y
Issue Date	
Customer specification	
Customer	
(Lm/mcd)	2000-2500mcd
VF (V)	2.1-2.5 V
(Wd)	588-594nm
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	100	mW
Pulsed Forward Current (1/10 Duty Cycle, 0.1ms Pulse width)	100	mA
Continuous Forward Current	50	mA
Derating Linear From 50°C	0.4	mA /°C
Reverse Voltage	5	V
Test temperature	-40to+85°C	
Storage Temperature Range	-0°C to +40°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=50mA
wave length(λ_d)	WL	588	--	590	nm	IF=50mA
		590		592		
		592		594		
Forward Voltage (R)	VF	2.1	--	2.3	V	IF=50mA
		2.3		2.5		
Viewing Angle	2θ1/2	50	--	60	deg	Note 2
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 \pm 15%.

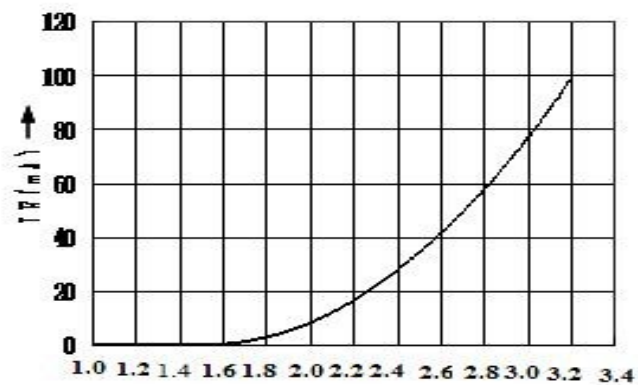
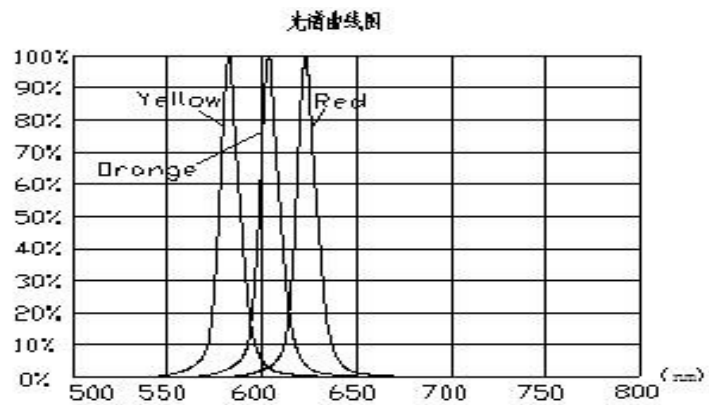
INTENSITY BIN LIMIT (IF=50mA)

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

COLOR BIN LIMIT (IF =50mA)

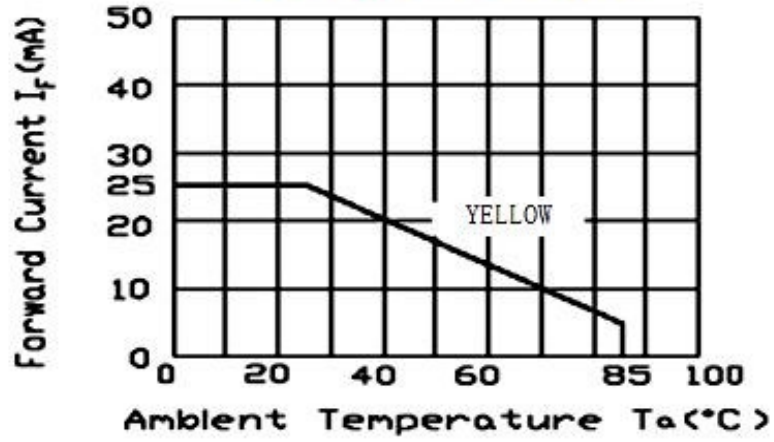
Bin Code	Min(nm)	Max(nm)
A	588	590
B	590	592
C	592	594

Optical Characteristics

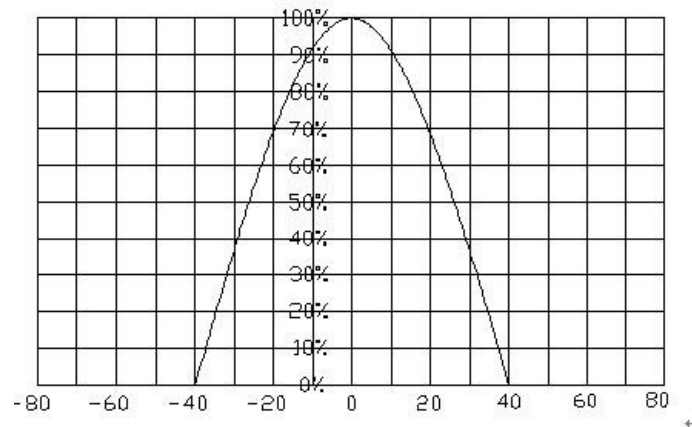
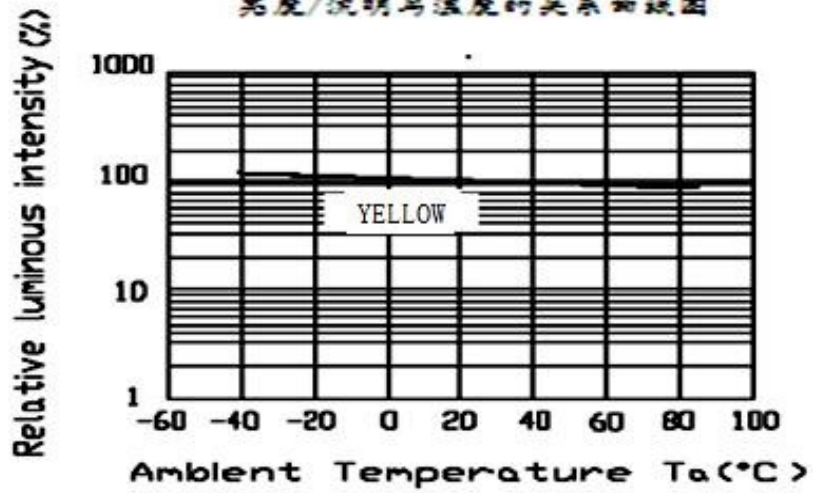


W (V) →

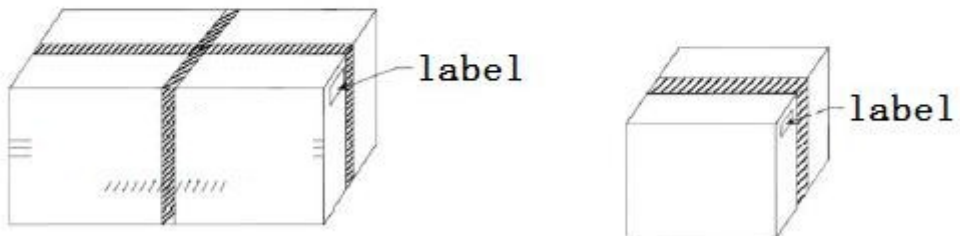
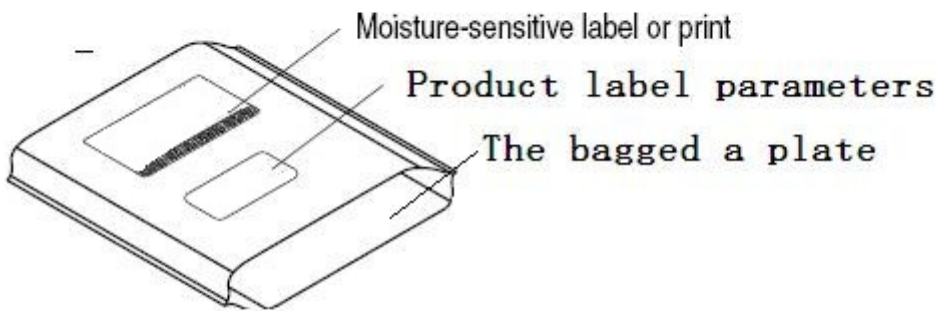
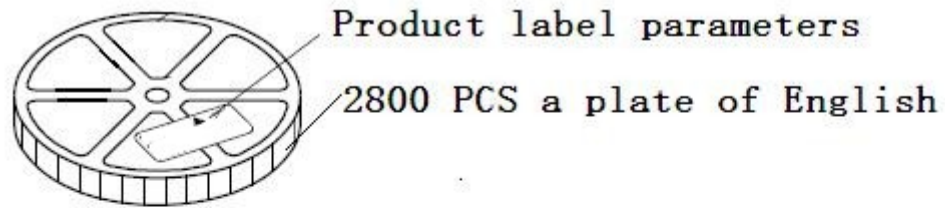
电流与温度关系曲线图



亮度/流明与温度的关系曲线图



Led packaging in English:



A case of 14 k in English

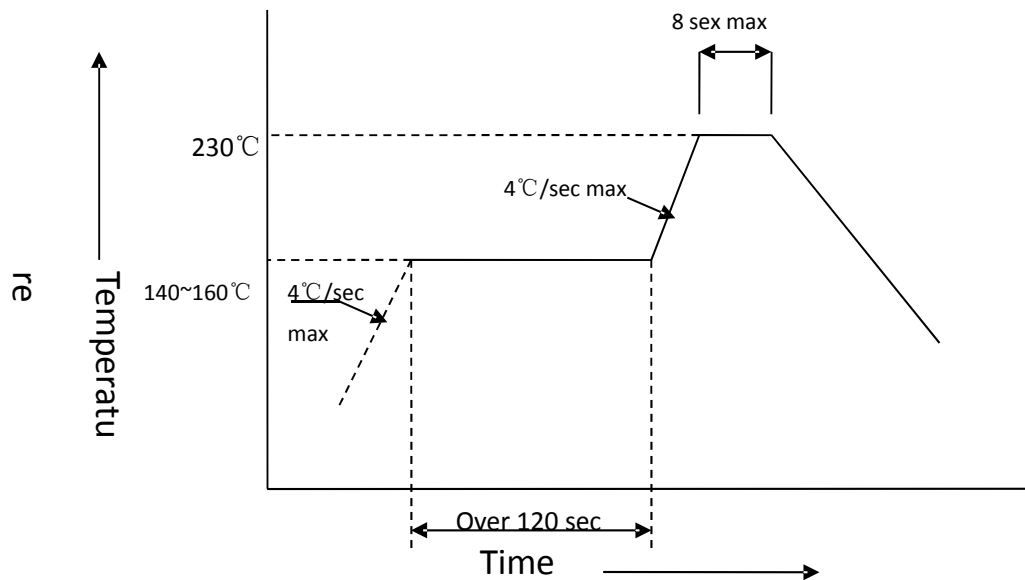
3528 XXXXX	
P/N:	XXXXXXXX
VF:	XXXXXXXX
IF:	XXXXXXXX
IV:	XXXXXXXX
WL:	XXXXXXXX
QTY:	XXXXXXXX
QC:	XXXXXXXX

The label format sample

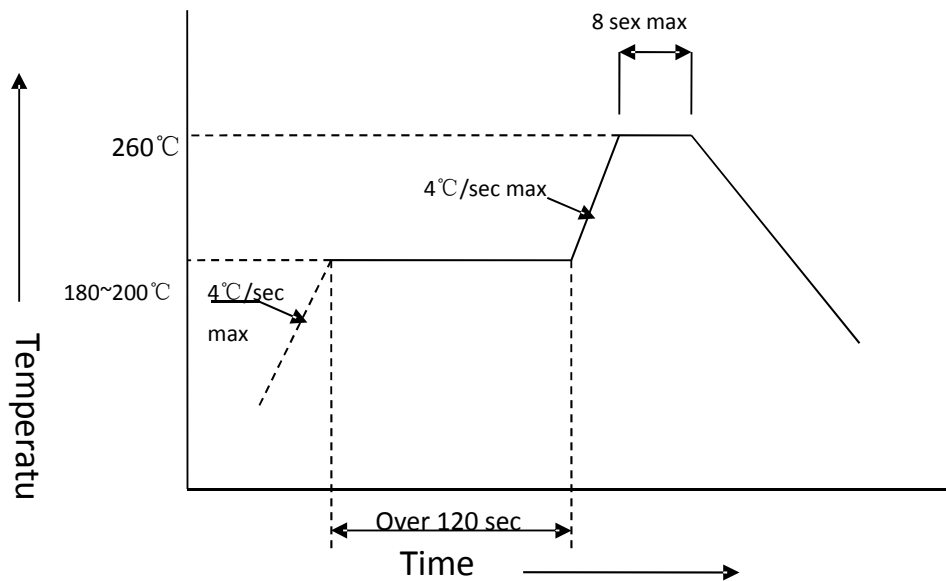
Reflow Soldering Instructions

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

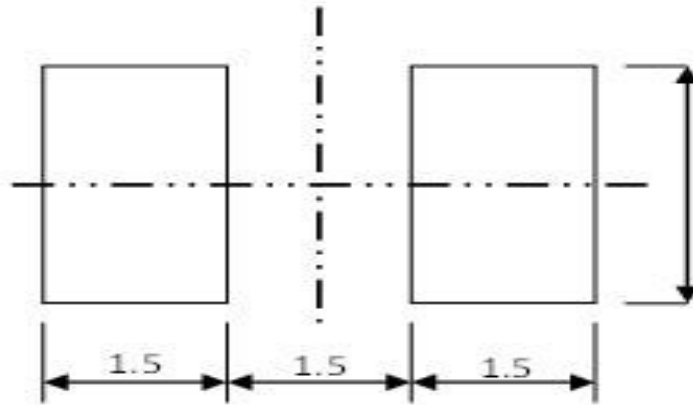


2>Lead-Free Solder



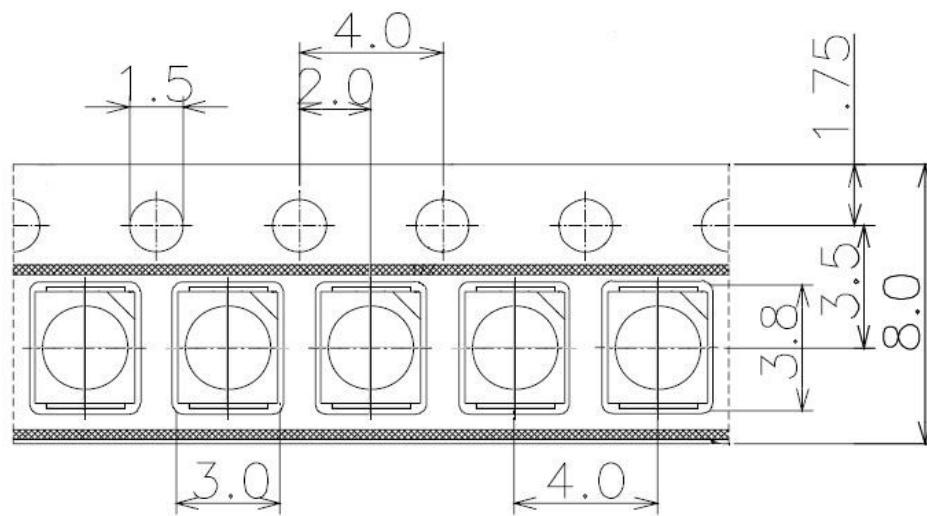
Recommended Soldering Pattern

<Units:mm>



Method of Taping / Polarity and Orientation

Packing unit 2000/reel, $\phi 180$ 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

