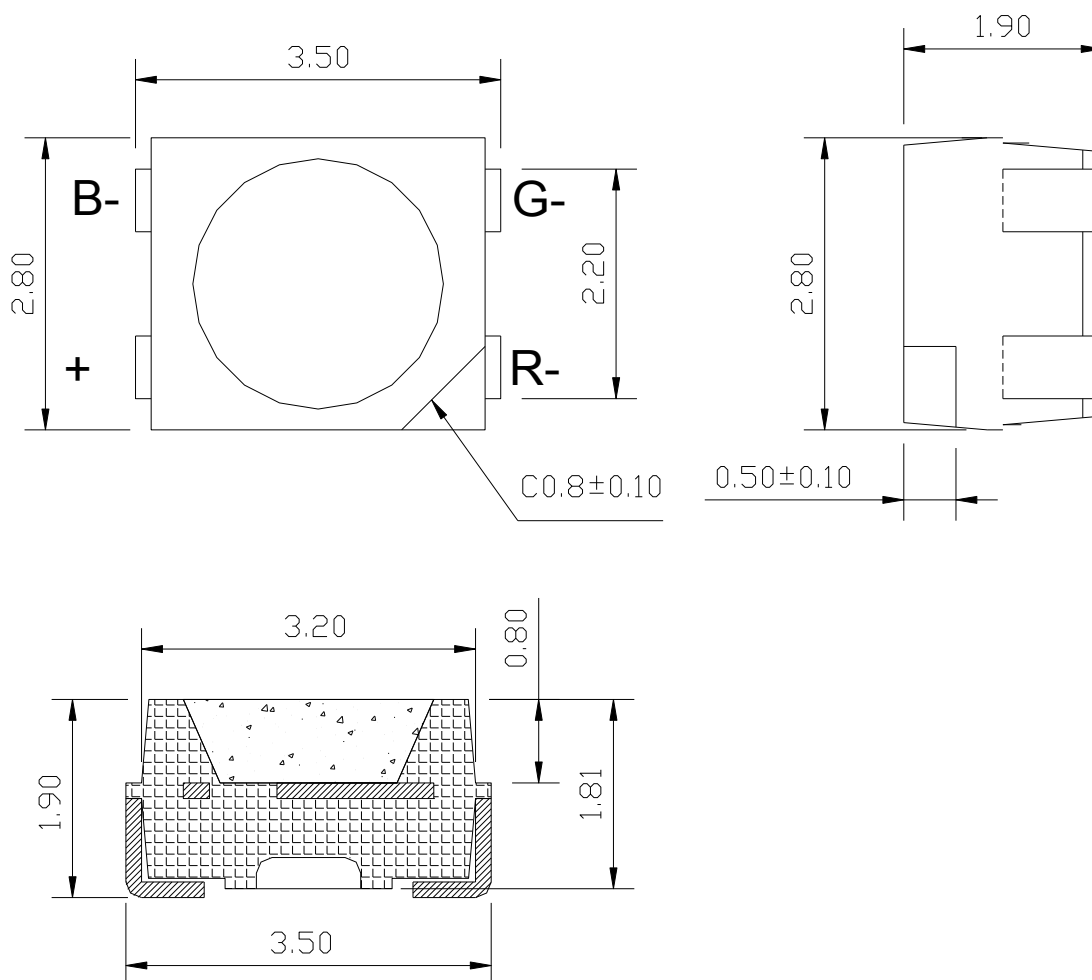


Selection Guide

Part No.	Emitting Color
WLBGR3528C/R	Red、Blue、 Green

Package Dimensions



Notes:

1. All dimensions are in mm.
2. Tolerance is ± 0.25 mm unless otherwise noted..

Features

1. PLCC LED dimensions: $3.5(L) \times 2.8(V) \times 1.9(H)$
2. High intensity
3. Extremely wide view angle
4. Anti-electrostatic tape package
5. Reliable and stable

Absolute Maximum Rating at Ta=25℃

parameter	Max.	unit
Peak Forward Current(1/10 Duty Cycle,0.1ms Pulse Width)	50	Ma
Continuous Forward Current	20	Ma
Reverse voltage	5	v
Operating temperature range	-25℃to+85℃	
Storage temperature range	-40℃to+100℃	
Lead soldering temperature	260℃ for 3 seconds	

Note:It can not be exceeded 5 seconds while applying in peak forward current circumstance unless it has special heat dispersion design.

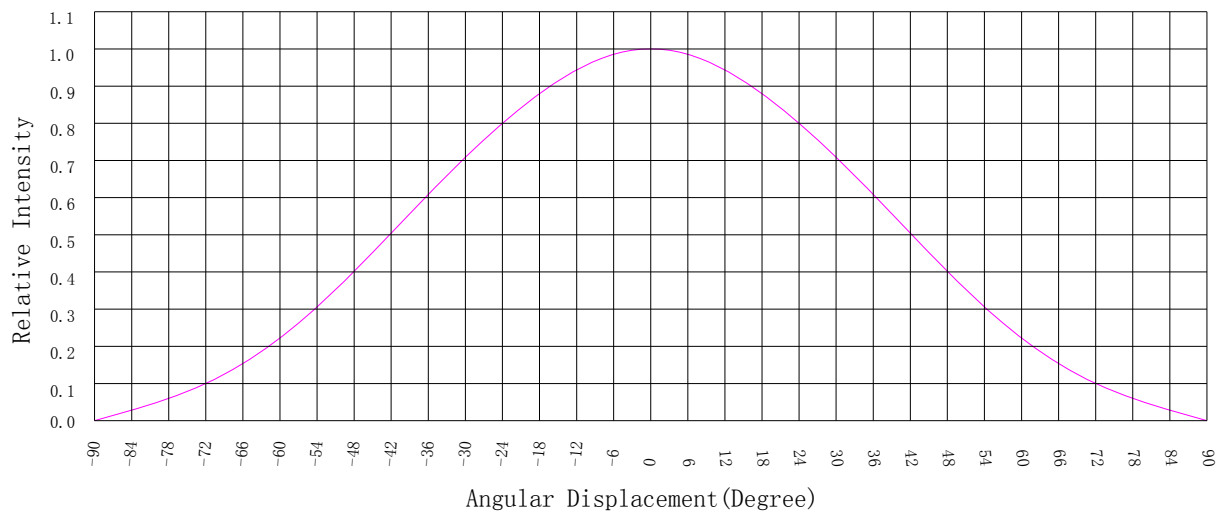
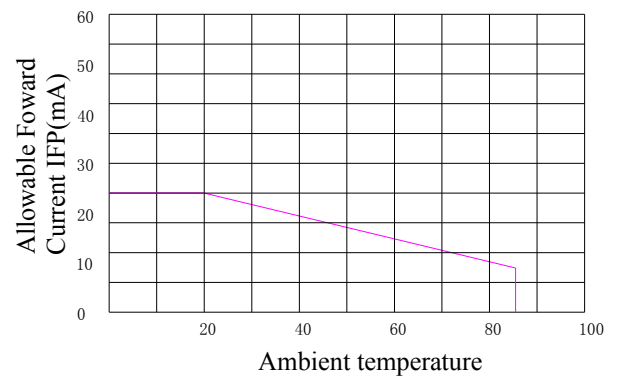
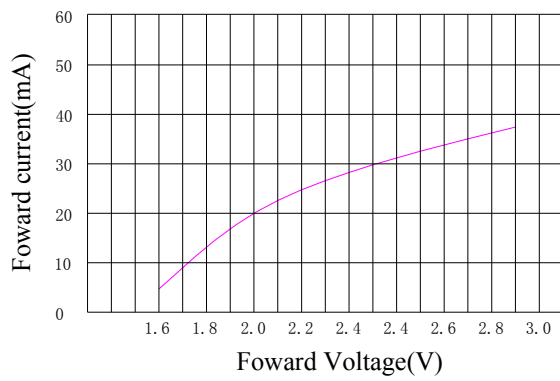
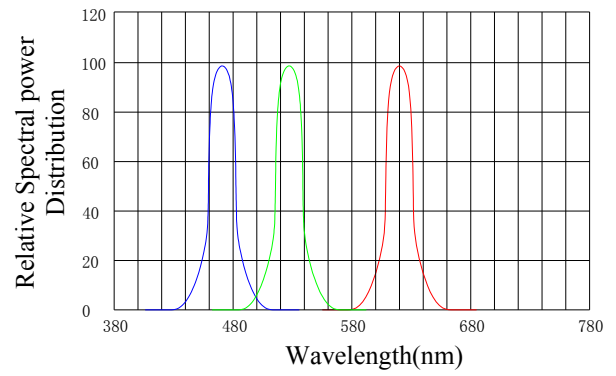
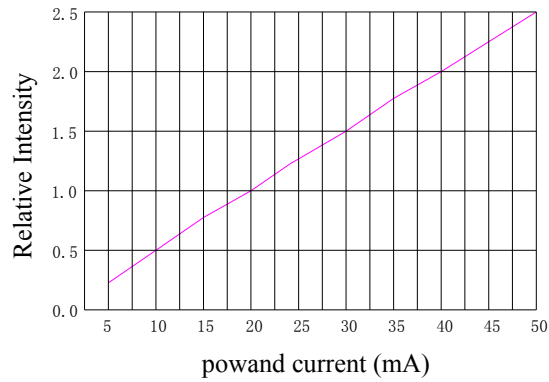
Electrical Optical Characteristics at Ta=25℃

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition
Luminous Intensity	Iv	B	200	---	300	mcd IF= 20mA
		G	800	---	1000	
		R	100	---	200	
Wavelength	λ	B	---	470	---	nm IF= 20mA
		G	---	525	---	
		R	---	625	---	
Viewing Angle	2θ1/2	---	120	---	Deg	IF= 20mA
Forward Voltage	VF	B	3.0	---	3.5	V IF= 20mA
		G	3.0	---	3.5	
		R	1.8	---	2.4	
Reverse Current	IR	---	---	10	μA	VR=5V

Notes:

1. all dimensions are in millimeter.tolerance is±0.25mm(.01")unless others otherwise noted.
2. EB maintains a tolerance of±10% on flux and power measurements.
3. CCT ±5% te ster tolerance and λ_d ±1nm
4. A tolerance of ±0.1V on forward voltage measurements
5. View Angle maintains a tolerance of±20°
6. Specifications are subject to change without notice.
7. These products are sensitive to static electricity;high standard of care must be fully taken when handling them.Particularly if an over-voltage that exceeds the Absolute maximum Rating of these products.Buyer shall take absolute secure countermeasures against static electricity and surge when handling these products
8. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.θ1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
9. It use many parameters that correspond to the CIE1931 2°
X,Y,and Z are CIE 1931 2°values of Red,green and Blue content of the measurement.
- 10.Brightness rank is 1:1.2 for sorting.

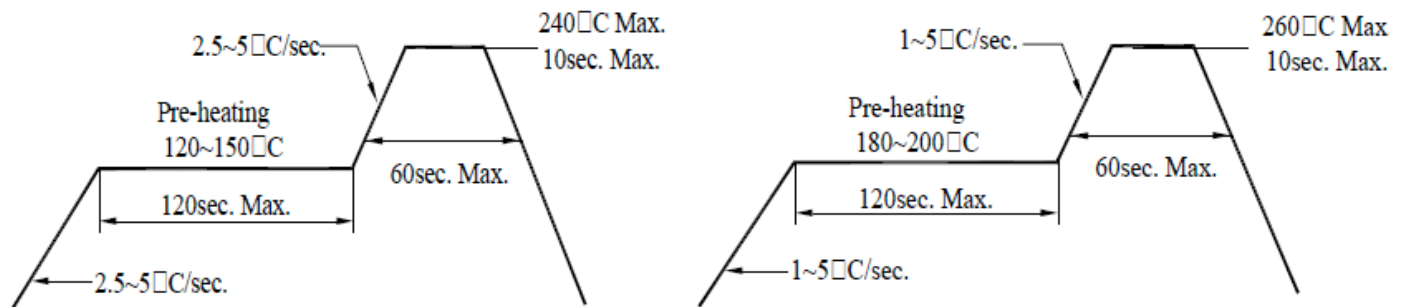
Typical electrical/optical characteristic curves



Soldering condition

Reflow Soldering			Hand Soldering	
	Lead Solder	Lead – free Solder		
Pre-heat	120~150℃	180~200℃	Temperature	350℃ Max.
Pre-heat time	120sec. Max.	120sec. Max.	Soldering time	3sec. Max. (one time only)
Peak temperature	240℃ Max.	260℃ Max.		
Soldering time	10sec. Max.	10sec. Max.		
Condition	refer to Temperature-Profile 1	refer to Temperature-Profile 2		

Temperature profile in re-flow machine for lead type and lead free type



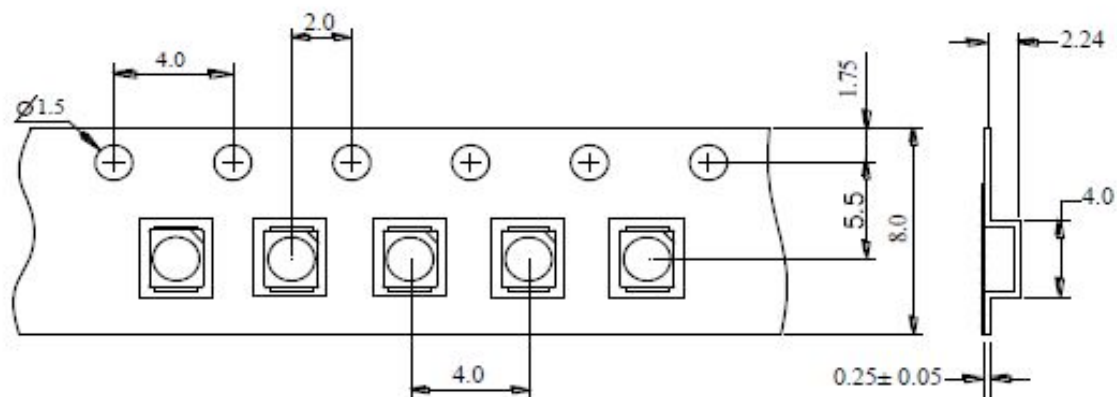
1. Reliability test

1.1. N.A.

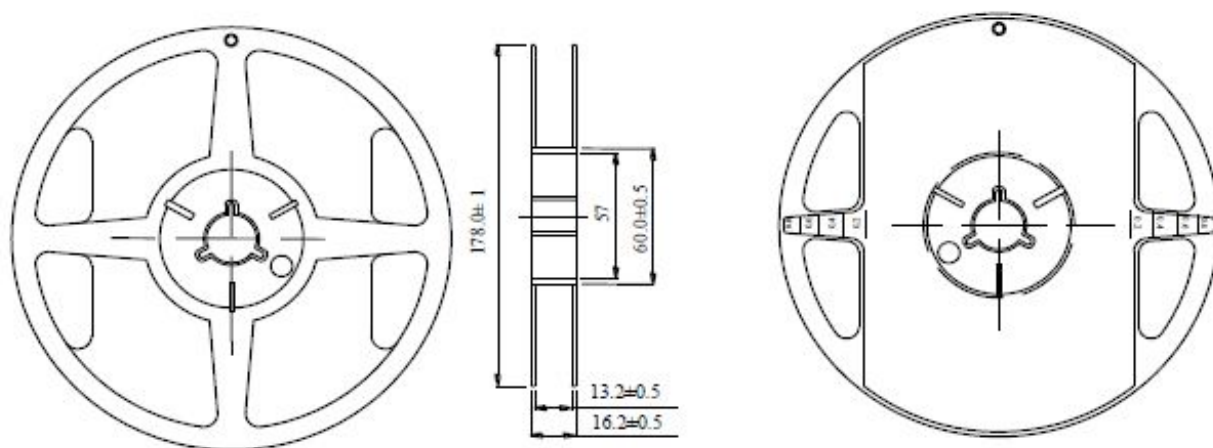
2. Storage condition:

In order to avoid the absorption of moisture, it is recommended to store in the dry box (or desiccators) with a desiccant. Otherwise, to store them in the following environment is recommended. Temperature: 5℃~30℃ Humidity: 60%HR max.

Dimension of carrier tape



Dimension of reel



Notes:

1. All dimensions are in mm, tolerance is ± 2.0 mm unless otherwise noted.
2. Specifications are subject to change without notice.

Packing

1. Number of SMD 5050 product in reel and bag(anti-static bag)
 - 1.1. 2000 piece of SMD 3528 Products on one reel. The reel will be put in the anti-static bag, then sealed.
 - 1.2. 2000 piece of SMD 3528 products on one bag.