



---

---

---

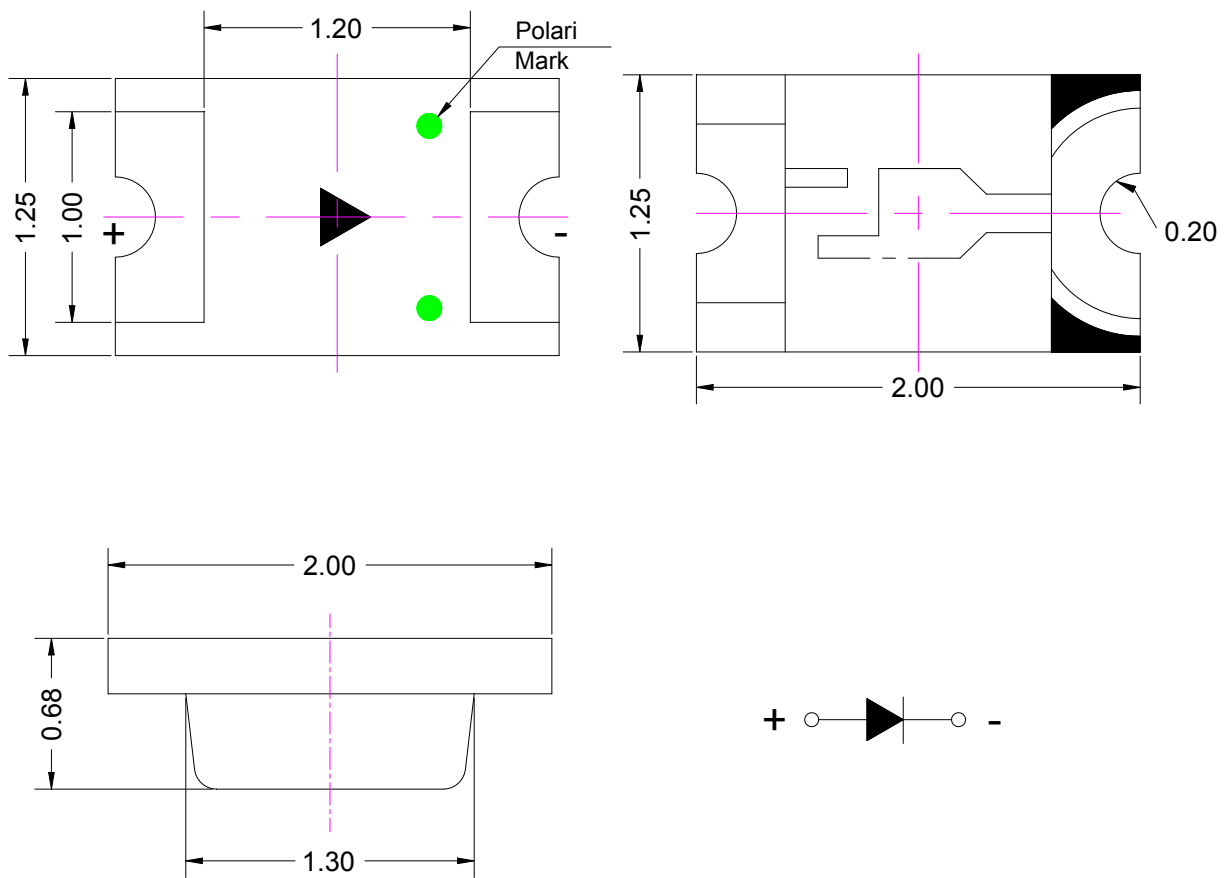
---

---

Wen Li	Fang Yang	Jiang Yang	Fang Wang




Tolerance: 0.25(0.01)



Unit: mm

Color: Purple White

Lens-color: Water clear

Emitting Material: InGaN

Drawing by: Poliaion



### 3 Characteristic

Forward current	If	30	mA
Reverse voltage	Vr	5	V
Power dissipation	Pd	110	mW
Operating temperature range	Top	-25 +80	C
Storage temperature range	Tg	-30 +80	C
Peak pulsed current 1/8 d f=1KH	Ifp	125	mA

Wavelength at peak emission	If=20mA	peak	5000	6000	6500	K
Spectral half bandwidth	If=20mA			10		
Forward voltage	If=20mA	Vf	3.0		3.6	V
Minimum luminous intensity	If=20mA	I	400	430	460	mcd
Viewing angle at 50% IV	If=10mA		--	120	--	Deg
Reverse current	Vr=5V	Ir	--	--	5	A





1	Tin-plated lead	Temp 260 ± 5	5 sec.	76 PCS	0/1
2	Back & forth under high & low temperature	High temp. +85 30min to 5min to -55 30min	50 bo	76 PCS	0/1
3	Heat shocking	High temp. +100 30min To 10 sec to -10 30min	50 bo	76 PCS	0/1
4	High storage temp.	Temperature 100	1000 Hr.	76 PCS	0/1
5	Low storage temp.	-55	1000 Hr.	76 PCS	0/1
6	Life span test	VF=1.9V IF=20mA	1000 Hr.	76 PCS	0/1
7	Test under high temp. & high humidity	85 °C /85%RH	1000 Hr.	76 PCS	0/1

i. Iron Soldering: The Iron (max 30W) end temperature less than 300 °C, soldering time 3 seconds, soldering position i minimum 2mm from body.

ii. Dip Soldering: Max temperature is 260 °C, time 5, the position i minimum 2mm from body.

i. Bracket must be bent only if 2mm from colloid.

ii. Bracket mold must be finished by fire or professional.

iii. Bracket mold must be finished before soldering.

i. Bracket mold holder area must be consistent between the pin, the distance gap of lead and the circuit board.

i. Holder must be prepared in order of all the devices in case of wrong polarity. Devices can be closed on the heat component, working condition can replace the limit.

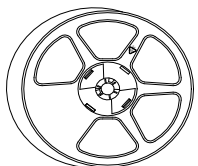
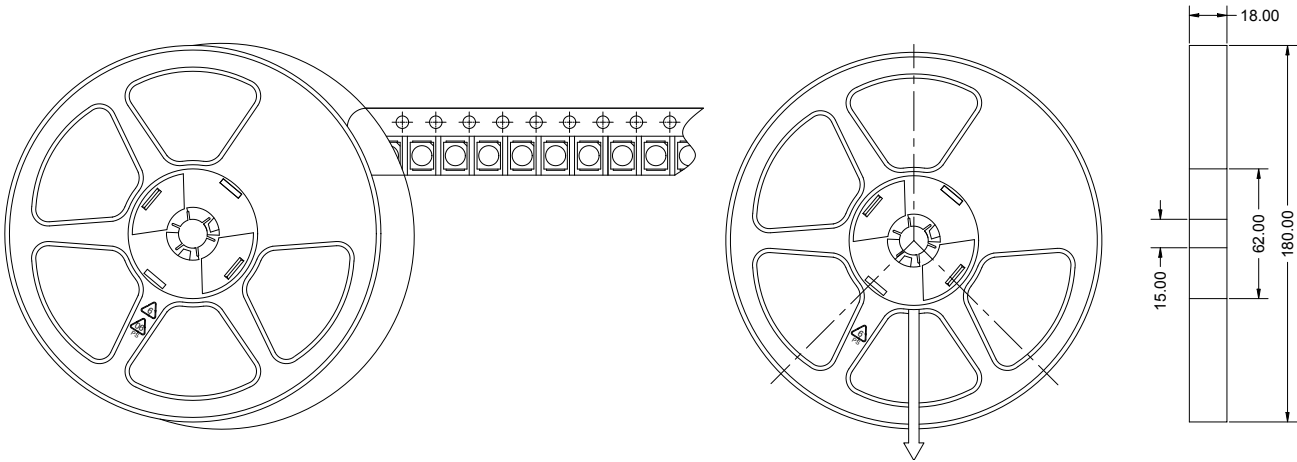
ii. Holder not assemble LED when the lead are deformed.

iii. When decide to assemble in hole, accurately according to the size of hole and hole distance of the line base

i. Suggest using guard heat positioning

i. Holder avoid any kind of shake or force on LED, before the soldering temperature return normal.

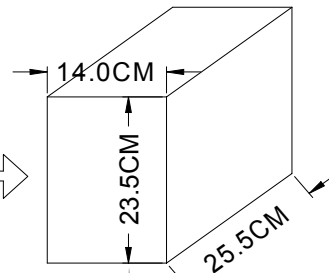
Holder must be careful. When clean the body with chemical. Some chemical may bring damage to the surface, and bring color fading, such as, Trichloroethylene, Acetone. Should use ethanol or isopropyl alcohol, dip for no more than 3 minutes under the normal temperature.



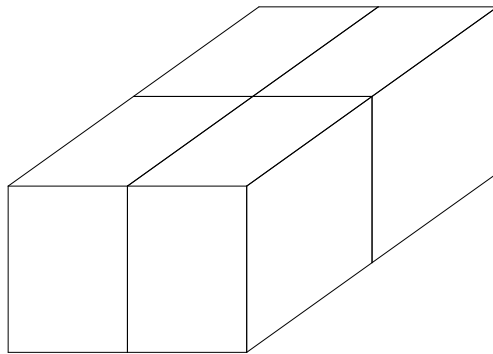
Diame er:180.0mm  
Wid h:18mm  
SMD0805R 4000pc /Reel  
An i-S a ic Shielding  
Black Reel



An i-S a ic Shielding  
1 Reel / Bag (T=0.1mm)



10 Bag / 1 Inner Bo  
SMD0805R  
40,000pc /Inner Bo



4 Inner Bo e / 1 Car on  
SMD0805R --160,000 PCS / 1 Car on

