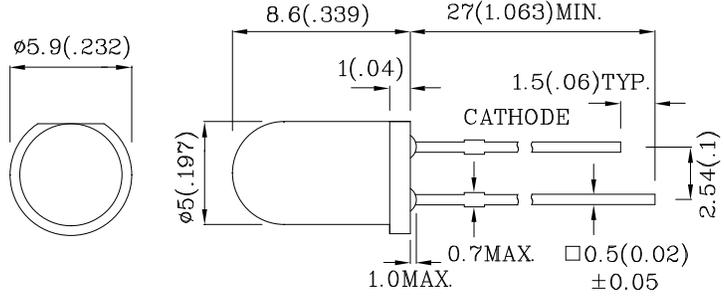


**Features**

- MECHANICALLY AND SPECTRALLY MATCHED TO THE INFRARED EMITTING LED LAMP.
- WATER CLEAR LENS.
- RoHS COMPLIANT.



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$ " unless otherwise noted.
3. Specifications are subject to change without notice.

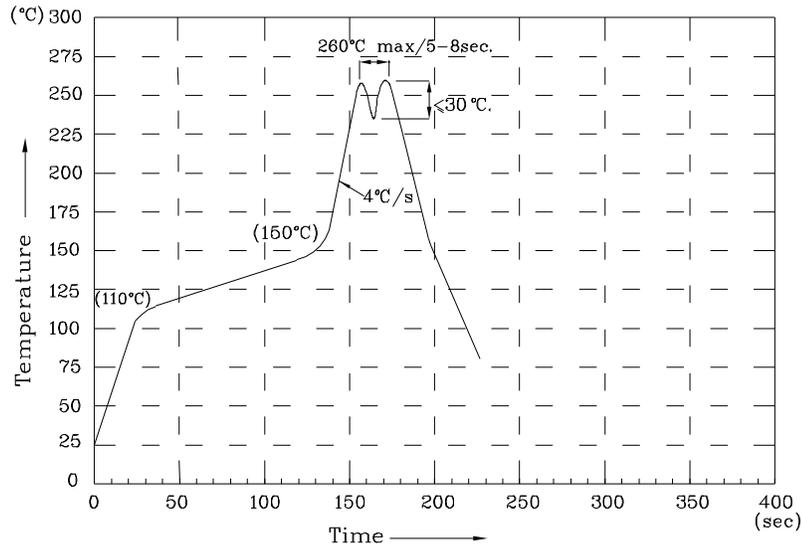
**Absolute Maximum Ratings at  $T_A=25^\circ\text{C}$**

Parameter	Maximum Ratings
Collector-to-Emitter Voltage	30V
Emitter-to-Collector Voltage	5V
Power Dissipation at (or below) 25°C Free Air Temperature	100mW
Operating / Storage Temperature Range	-40°C To +85°C
Lead Solder Temperature (>5mm for 5sec)	260°C

**Electrical / Optical Characteristics at T<sub>A</sub>=25°C**

Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Condition
V <sub>BR CEO</sub>	Collector-to-Emitter Breakdown Voltage	30	-	-	V	I <sub>C</sub> =100 μ A E <sub>e</sub> =0mW/cm <sup>2</sup>
V <sub>BR ECO</sub>	Emitter-to-Collector Breakdown Voltage	5	-	-	V	I <sub>E</sub> =100 μ A E <sub>e</sub> =0mW/cm <sup>2</sup>
V <sub>CE(SAT)</sub>	Collector-to-Emitter Saturation Voltage	-	-	0.8	V	I <sub>C</sub> =2mA E <sub>e</sub> =20mW/cm <sup>2</sup>
I <sub>CEO</sub>	Collector Dark Current	-	-	100	nA	V <sub>CE</sub> =10V E <sub>e</sub> =0mW/cm <sup>2</sup>
T <sub>R</sub>	Rise Time (10% to 90%)	-	15	-	μ s	V <sub>CE</sub> =5V I <sub>C</sub> =1mA R <sub>L</sub> =1KΩ
T <sub>F</sub>	Fall Time (90% to 10%)	-	15	-	μ s	
I <sub>(ON)</sub>	On State Collector Current	0.1	0.5	-	mA	V <sub>CE</sub> =5V E <sub>e</sub> =1mW/cm <sup>2</sup> λ=940nm
2 θ 1/2	Viewing Angle		20		deg	

Wave Soldering Profile For Lead-free Through-hole LED.

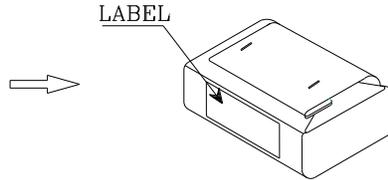
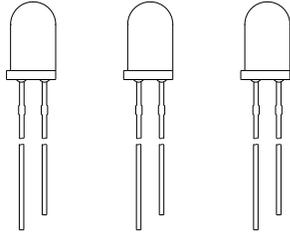


NOTES:

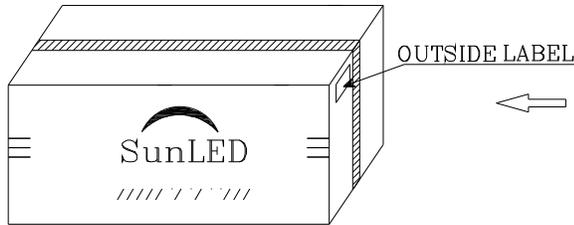
- 1.Recommend the wave temperature 245°C~260°C.The maximum soldering temperature should be less than 260°C.
- 2.Do not apply stress on epoxy resins when temperature is over 85 degree°C.
- 3.The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
- 4.No more than once.

PACKING & LABEL SPECIFICATIONS

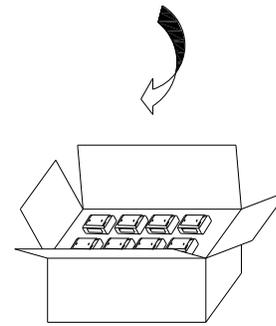
XRNI12W



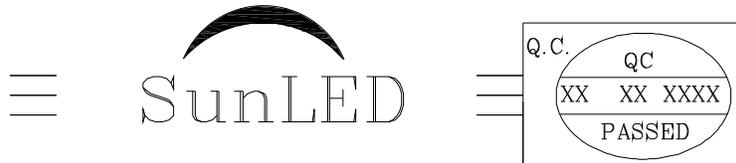
1000PCS/BAG



36K / BOX



18K / BOX



P/NO : XRNI12x	
QTY : 1000 pcs	CODE: XXX
S/N : XX	
LOT NO:	
 XXXXXXXXXXXXXXXXXXXXXXXX	
RoHS Compliant	