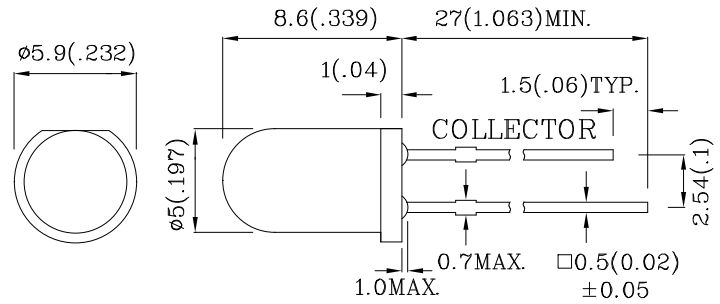


Features

- 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.

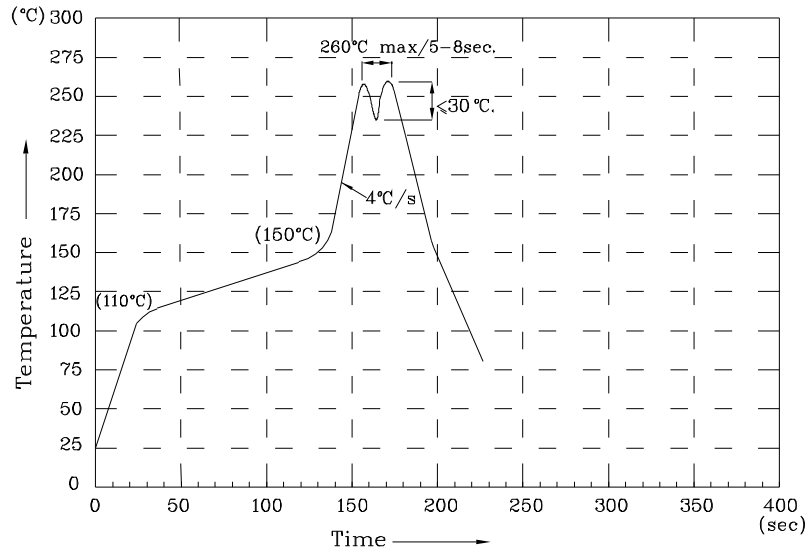
Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

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_A=25°C

Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Condition
V _{BR CEO}	Collector-to-Emitter Breakdown Voltage	30	-	-	V	I _C =100 μ A E _e =0mW/cm ²
V _{BR ECO}	Emitter-to-Collector Breakdown Voltage	5	-	-	V	I _E =100 μ A E _e =0mW/cm ²
V _{CE(SAT)}	Collector-to-Emitter Saturation Voltage	-	-	0.8	V	I _C =2mA E _e =20mW/cm ²
I _{CEO}	Collector Dark Current	-	-	100	nA	V _{CE} =10V E _e =0mW/cm ²
T _R	Rise Time (10% to 90%)	-	15	-	μ s	V _{CE} =5V I _C =1mA R _L =1KΩ
T _F	Fall Time (90% to 10%)	-	15	-	μ s	
I _(ON)	On State Collector Current	0.1	0.5	-	mA	V _{CE} =5V E _e =1mW/cm ² λ=940nm
2 θ 1/2	Viewing Angle		20		deg	

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

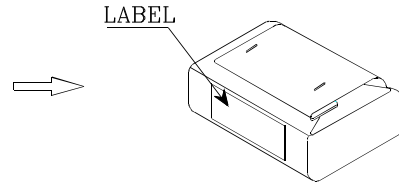
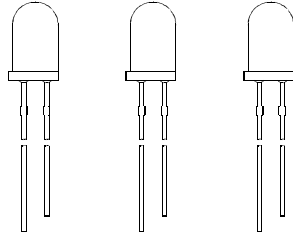


NOTES:

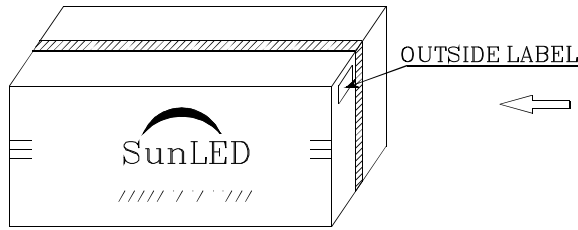
- 1.Recommend the wave temperature 245°C~260°C.The maximum soldering temperature should be less than 260°C.
- 2.Do not apply stress on epoxy resins when temperature is over 85 degree°C.
- 3.The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
- 4.No more than once.

PACKING & LABEL SPECIFICATIONS

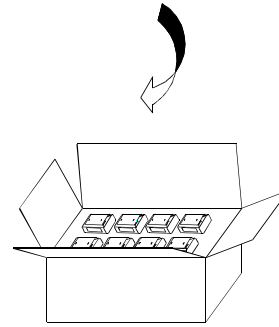
RNI12W



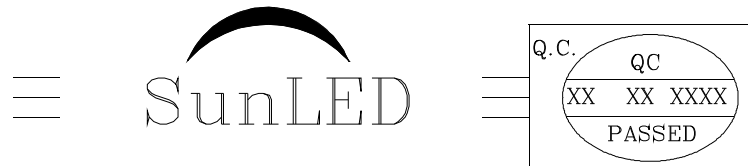
1000PCS/BAG




36K / BOX



18K / BOX



P/NO : RNI12x	
QTY : 1000 pcs	CODE: XXX
S/N : XX	
LOT NO:	
 xxxxxxxxxxxxxxxxxxxxxxxx	
RoHS Compliant	