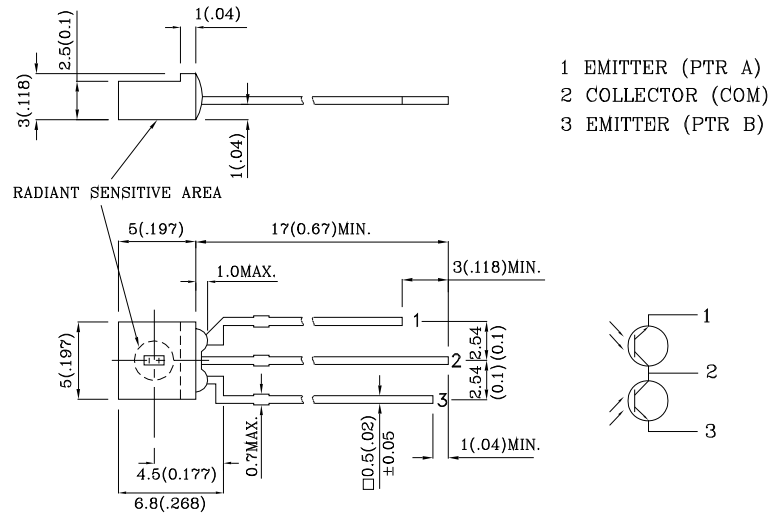


Features

- MECHANICALLY AND SPECTRALLY MATCHED TO THE INFRARED EMITTING LED LAMP SERIES.
- BLACK DIFFUSED LENS.
- COUPLED WITH INFRARED EMITTING LED LAMP SERIES FOR MOUSE APPLICATION.
- RoHS COMPLIANT.



Notes:

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

Absolute Maximum Ratings at TA=25°C

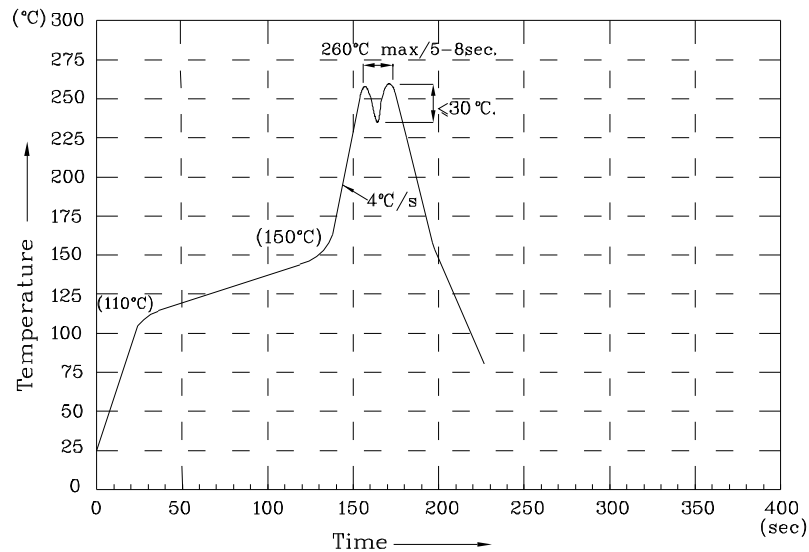
Parameter	Max. Ratings
Collector-to-Emitter Voltage	30V
Emitter-to-Collector Voltage	5V
Power Dissipation at (or below) 25°C Free Air Temperature	100mW
Operating / Storage Temperature Range	-55°C To +100°C
Lead Soldering Temperature (>5mm for 5sec)	260°C

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Condition
VBR CEO	Collector-to-Emitter Breakdown Voltage	30	-	-	V	IC=100 μ A Ee=0mW/cm ²
VBR ECO	Emitter-to-Collector Breakdown Voltage	5	-	-	V	IE=100 μ A Ee=0mW/cm ²
VCE(SAT)	Collector-to-Emitter Saturation Voltage	-	-	0.4	V	IC=500 μ A Ee=5mW/cm ²
ICEO	Collector Dark Current	-	-	100	nA	VCE=10V Ee=0mW/cm ²
TR	Rise Time (10% to 90%)	-	16	-	μ s	VCE=5V IC=1mA RL=1K Ω
TF	Fall Time (90% to 10%)	-	18	-	μ s	
I(ON)	On State Collector Current	0.1	0.4	-	mA	VCE=5V Ee=1mW/cm ² λ=940nm
R	Collector Current Ratio of Phototransistor	0.8	1	1.25	Ω	Ic (on) (a) Ic(on) (b)

XRNI82B

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



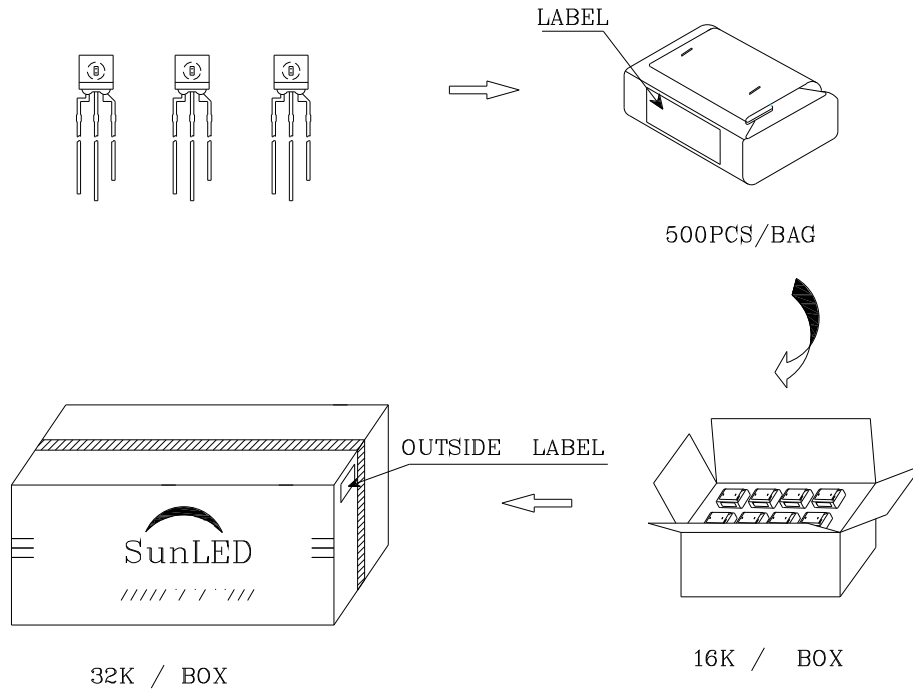

NOTES:

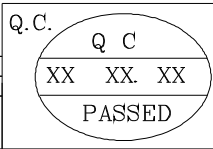

- 1.Recommend the wave temperature 245°C~260°C.The maximum soldering temperature should be less than 260°C.
- 2.Do not apply stress on epoxy resins when temperature is over 85 degree°C.
- 3.The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
- 4.No more than once.



PACKING & LABEL SPECIFICATIONS

XRNI82B

	
P/NO : XRNI82x	
QTY : 500 pcs	CODE: XXX
S/N : XX	
LOT NO:	
 xxxxxxxxxxxxxxxxxxxxxxxx	
RoHS Compliant	