



SL-T3838IRC01A-L230 DATA SHEET

 SPEC.NO.
 :
 SZ19092001

 DATE
 :
 2021/04/28

 REV.
 :
 A/2

Approved By: Checked By: Prepared By:

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Features

Pb free product—RoHS compliant

IR light source with high efficiency

Low thermal resistance

Center of spectral emission at 850nm

Radiant angle: 90°

Applications

InfraredIlluminationfor cameras

Surveillance system

Machine vision systems

Eye tracking systems

SafetyAdvices

Depending on the mode of operation, these devices emit highly concentrated non visible infrared light which can be hazardous to the human eye. Products which incorporate these devices have to follow the safety precautions given in IEC 60825-1 and IEC 62471.

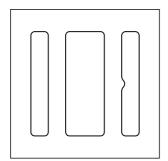
Part No.	SL-T3838IRC01A-L230	Page	2 of 8
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Package Dimension



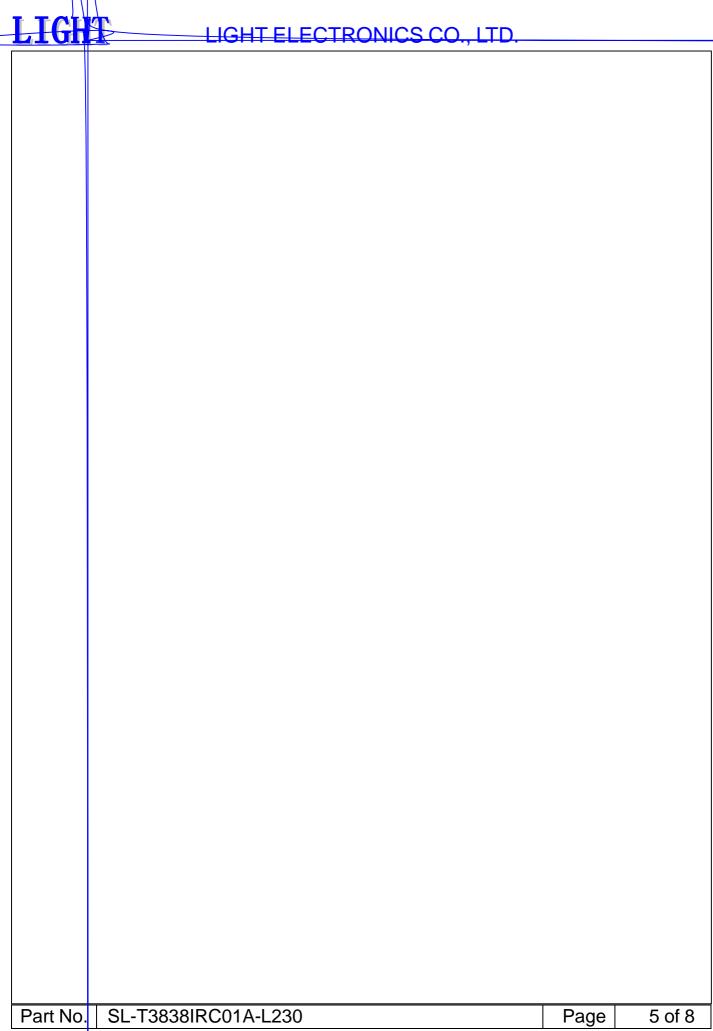


Part NO.	Chip Material	Lens Color
SL-T3838IRC01A-L230	AlGaAs	WaterClear

Notes:

- 1. All dimensions are in millimeters.
- 2. Tolerance is ± 0.10 mm unless otherwise noted
- 3. Specifications are subject to change without notice.

Part No.	SL-T3838IRC01A-L230	Page	3 of 8
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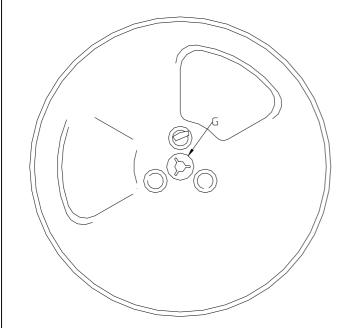
LG-QR-R009-01





Distribution Curve Flux

Reel Dimensions



□ 区放大图

Part No.	SL-T3838IRC01A-L230	Page	6 of 8
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LIGHT ELECTRONICS CO., LTD.

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Carrier Tape Specifications (Loaded Quantity: 3000p	cs/re	eel)		
Note: Tolerance unless mentioned is ±0.1mm; Unit = mm				
Moisture Resistant Packaging				
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Part No. SL-T3838IRC01A-L230			Page	7 of 8 LG-QR-R009-01

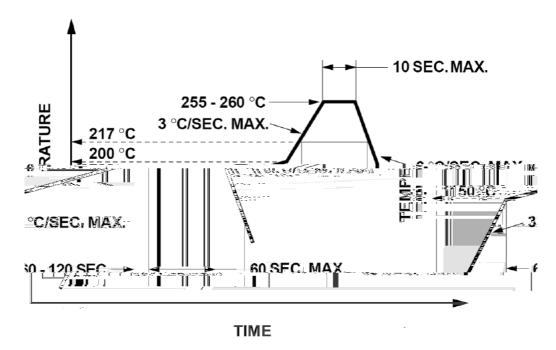
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Suggest IR Reflow Condition For Lead Free



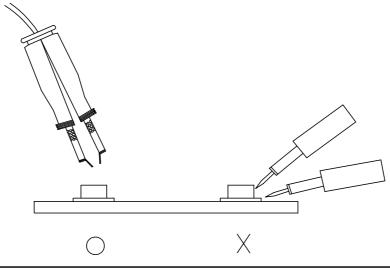
- 1. Reflow soldering should not be done more than two times.
- 2. When soldering, do not put stress on the LEDs during heating.

Soldering iron

- 1. When hand soldering, the temperature of the iron must less than 350 for 5 seconds.
- 2. The hand solder should be done only once.

Repairing

Repair should not be done after the LEDs have been soldered. When repairing is unavoidable, a double-head soldering iron should be used (as below figure). It should be confirmed beforehand whether the characteristics of LEDs will or will not be damaged by repairing.



Part No. | SL-T3838IRC01A-L230 | Page | 8 of 8