



# LIGHT ELECTRONICS CO., LTD.



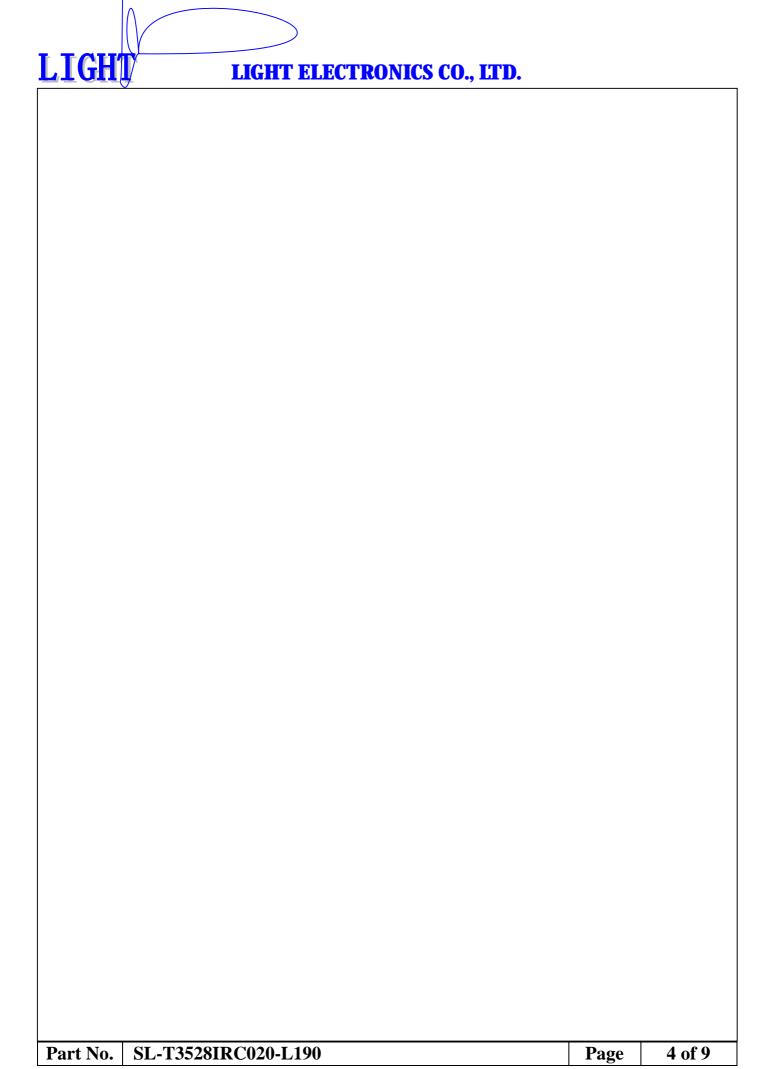
#### **Absolute Maximum Ratings at Ta=25**

| Parameter                       | MAX.                    | Unit |
|---------------------------------|-------------------------|------|
| Power Dissipation               | 180                     | mW   |
| Continuous Forward Current      | 100                     | mA   |
| Peak Forward Current*2          | 1000                    | mA   |
| Reverse Voltage                 | 5                       | V    |
| Electrostatic Discharge (HBM)*3 | 2000                    | V    |
| Moisture Sensitivity Level*1    | 5a                      |      |
| Operating Temperature           | -40 to +85              |      |
| Storage Temperature             | -40 to + 100            |      |
| IR Reflow Temperature           | 260 for 10 Seconds MAX. |      |

#### 1. Storage and operating:

(1). Storage requirements before vacuum bag opened: Temperature<30 , HumHBT 0 g a<(.)-1.65%

1 24.0



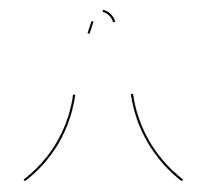


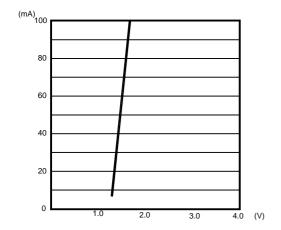
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Typical Electrical / Optical Characteristics Curves

(25 Ambient Temperature Unless Otherwise Noted)





0.5



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# Radiant Intensity Bin Code (I<sub>F</sub>=20mA)

| BIN CODE | Min.(mW/sr) | Max. (mW/sr) |
|----------|-------------|--------------|
| 0        | 1.7         | 1.8          |
| 1        | 1.8         | 2.0          |
| 2        | 2.0         | 2.3          |
| 3        | 2.3         | 2.8          |

**NOTE**: The Ie guarantee should be added  $\pm 15\%$  tolerance.

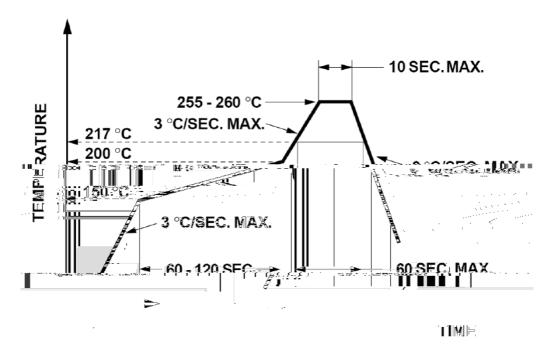
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#### Suggest IR Reflow Condition For Lead Free



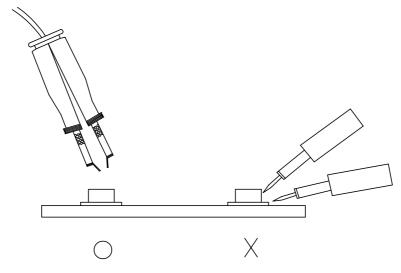
- 1. Reflow soldering should not be done more than two times.
- 2. When soldering, do not put stress on the LEDs during heating.

#### Soldering iron

- 1. When hand soldering, the temperature of the iron must less than 300 for 3 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.



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