

# LG-05IR4T94C-557U-B-T

## DATA SHEET

SPEC. NO. : SZ21042902  
DATE : 2021/04/29  
REV. : A/1

Approved By:

Checked By:

Prepared By:





## Electrical Optical Characteristics at Ta=25°C

| Parameter                 | Symbol         | Min. | Typ. | Max. | Unit  | Test Condition                  |
|---------------------------|----------------|------|------|------|-------|---------------------------------|
| Radiant Intensity         | I <sub>e</sub> | 70   | 100  | ---  | mW/sr | I <sub>F</sub> =50mA (Note 1,3) |
| Viewing Angle             | $\frac{1}{2}$  | 22   | 27   | 32   | deg   | (Note 2)                        |
| Peak Wavelength           |                | ---  | 940  | ---  | nm    | I <sub>F</sub> =20mA            |
| Spectral Line Half- Width | $\Delta$       | ---  | 50   | ---  | nm    | I <sub>F</sub> =20mA            |
| Forward Voltage           | V <sub>F</sub> | ---  | 1.35 | 1.65 | V     | I <sub>F</sub> =50mA            |
| Reverse Current           | I <sub>R</sub> | ---  | ---  | 100  | μA    | V <sub>R</sub> =5V              |

### Note:

1. Point sources of the amount of radiation per unit time in a given direction within the unit solid Angle radiated energy.
2.  $\frac{1}{2}$  is the off-axis angle at which the Radiant Intensity is half the axial Radiant Intensity.
3. The I<sub>e</sub> guarantee should be added  $\pm 15\%$  tolerance.

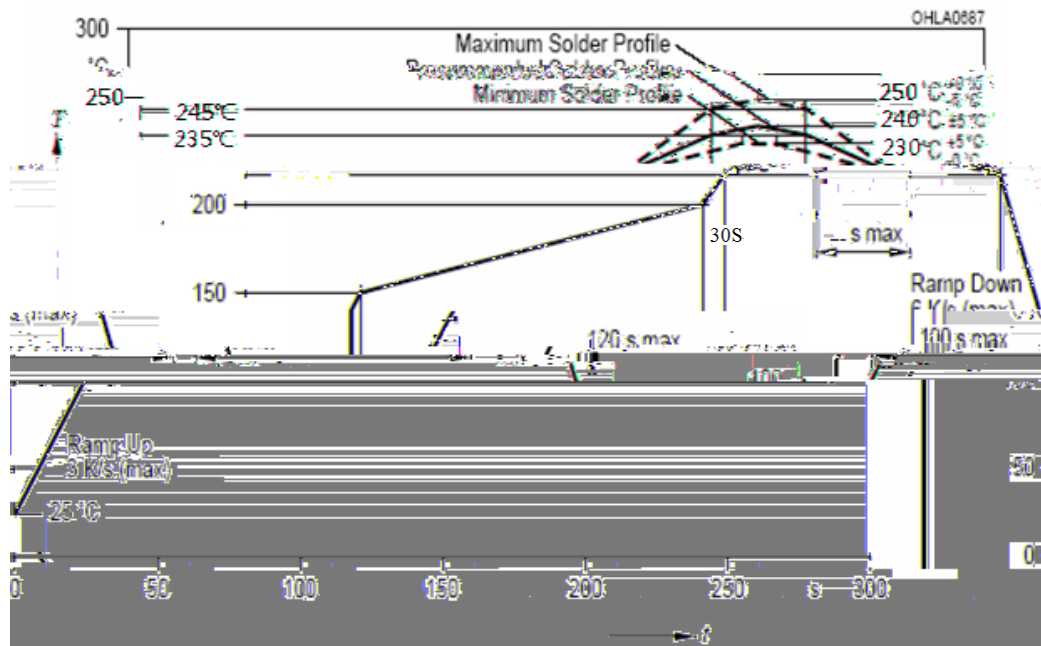
## Infrared Emitting Diode Specification

●Commodity: Infrared emitting diode

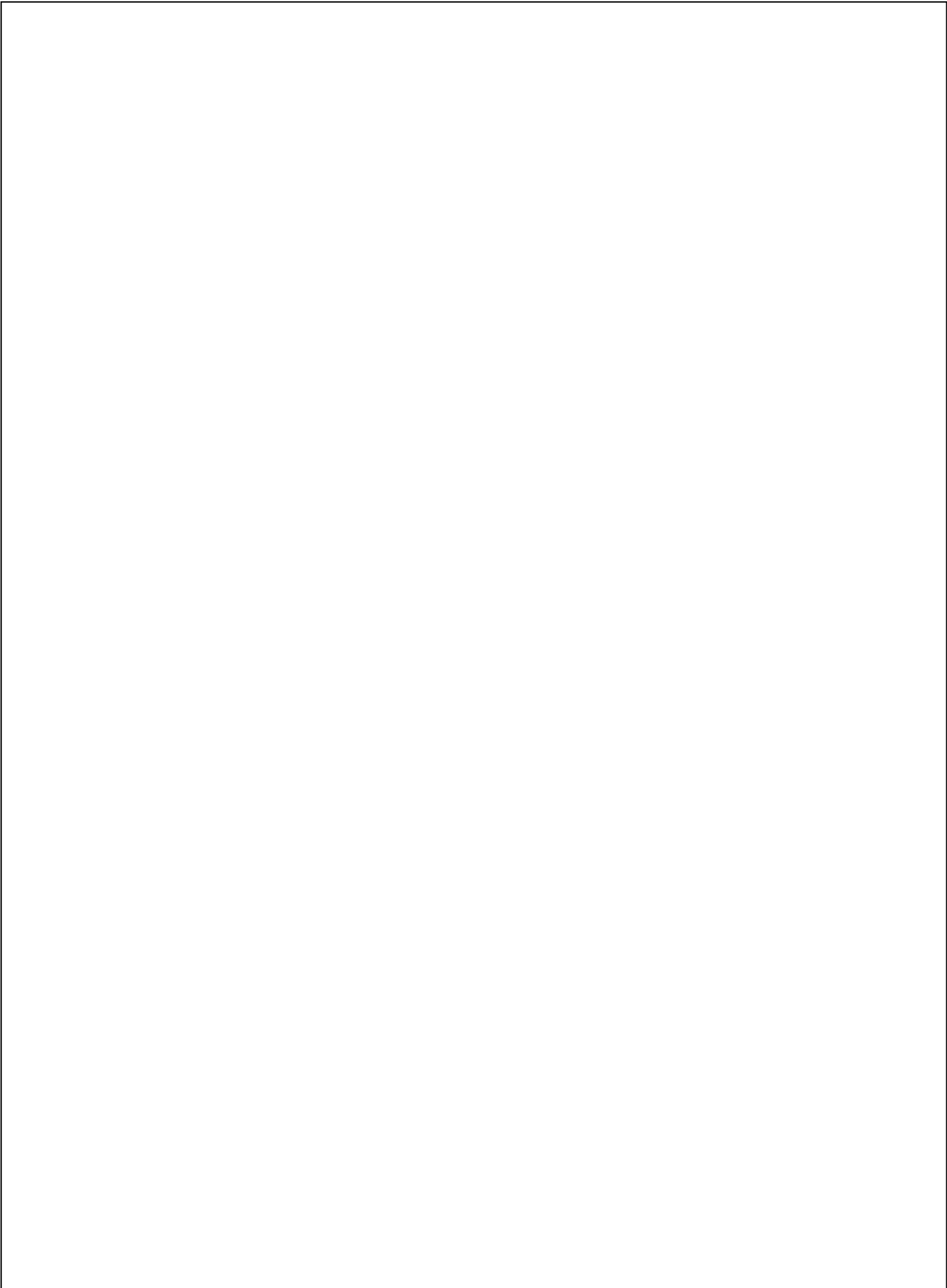
●Intensity Bin Limits (At 50mA)

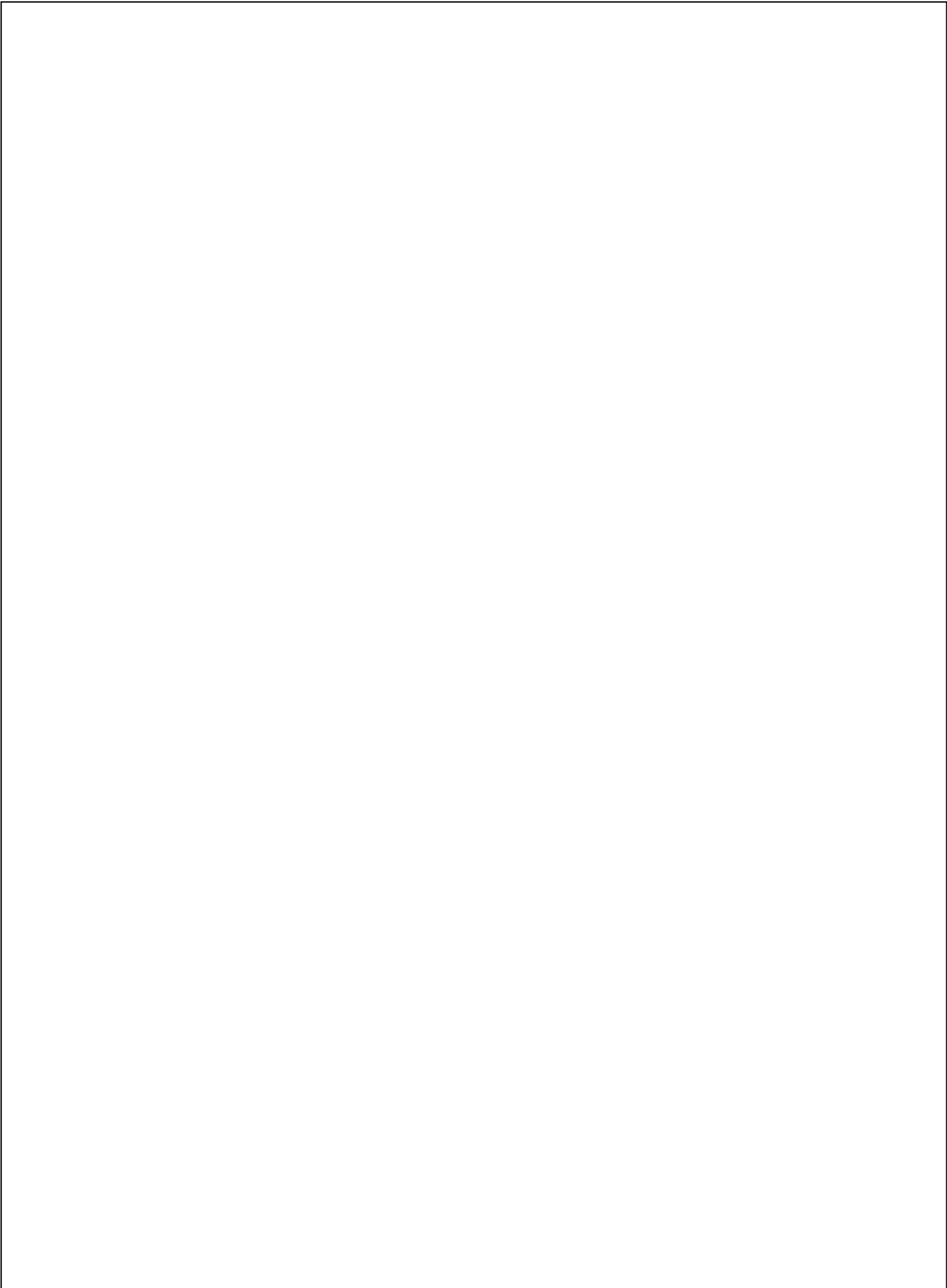
| BIN CODE | Min.(mW/sr) | Max.( mW/sr) |
|----------|-------------|--------------|
| 38       | 70          | 98           |
| 39       | 98          | 137          |

## Suggest IR Reflow Condition For Lead Free:



LIGHT

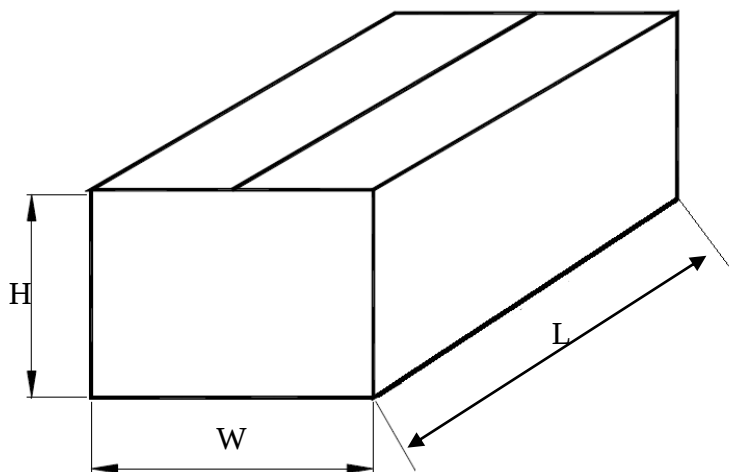




## Package Spec:

**1.2000pcs per reel .**

**15 reel per carton/Total 30000pcs per carton.**



| Item | Specification |         |
|------|---------------|---------|
|      | minmum        | Maximum |
| L    | 465           | 475     |
| W    | 405           | 415     |
| H    | 405           | 415     |