

## LG-05IR4T94C-557C-B-T DATA SHEET

SPEC. NO. : SZ21042902  
DATE : 2021/04/29  
REV. : A/0

Approved By:

Checked By:

Prepared By:



## Absolute Maximum Ratings at Ta=25°C

| Parameter                                     | MAX.                 | Unit |
|---|----------------------|------|
| Power Dissipation                             | 75                   | mW   |
| Continuous Forward Current                    | 50                   | mA   |
| Peak Forward Current*3                        | 1.0                  | A    |
| Reverse Voltage                               | 5                    | V    |
| Operating Temperature                         | -40 to + 85          |      |
| Storage Temperature                           | -40°C to + 100°C     |      |
| Lead Soldering Temperature<br>[2mm From Body] | 260°C for 3 Seconds  |      |
| IR Reflow Temperature                         | 245°C for 30 seconds |      |

### 1. Storage

## 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     | 1/2            | 25   | 30   | 35   | deg   | (Note 2)                        |
| Peak Wavelength   |                | ---  | 940  | ---  | nm    | I <sub>F</sub> =20mA            |

Spectral Line Half- Width

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