

LG-05PD4D94Q-5118B-90 DATA SHEET

SPEC. NO. : SZ21033001
DATE : 2021/03/30
REV. : A/0

Approved By:

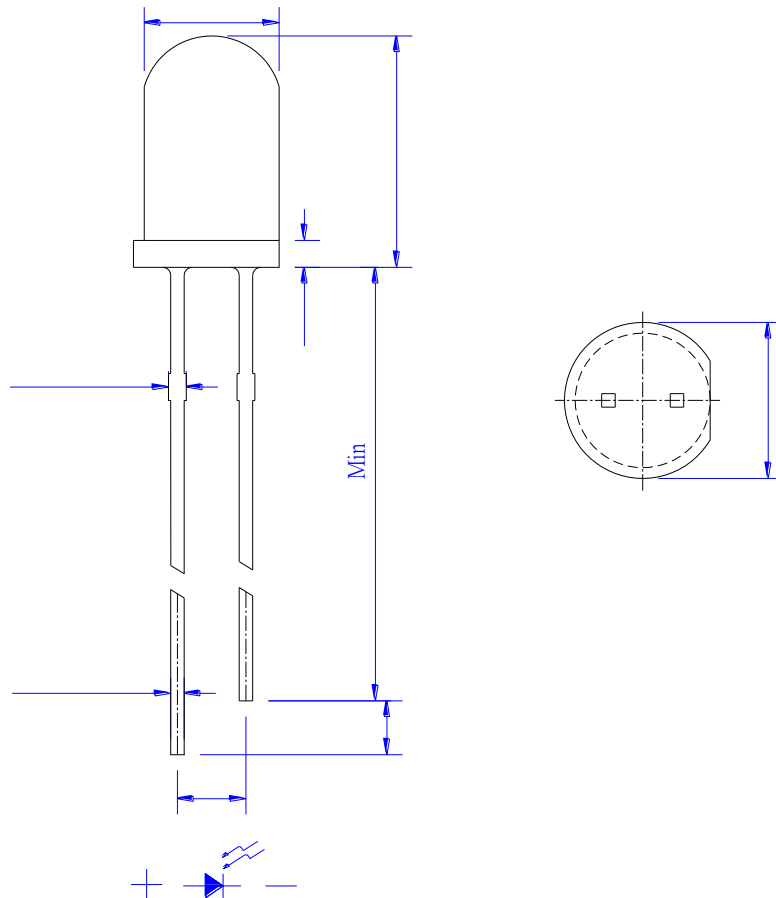
Checked By:

Prepared By:

Features

- ◆ Pb free product RoHS compliant
- ◆ High Photo Sensitivity
- ◆ Reliable and rugged
- ◆ Long life solid state reliability
- ◆ Sensitivity angle: 55 °

Package Dimension



Part NO.	Chip Material	Lens Color
LG-05PD4D94Q-5118B-90	Silicon	Black

Notes:

1. All dimensions are in millimeters.
2. Tolerance is $\pm 0.20\text{mm}$ unless otherwise noted.
3. Protruded resin under flange is 1.0mm max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.

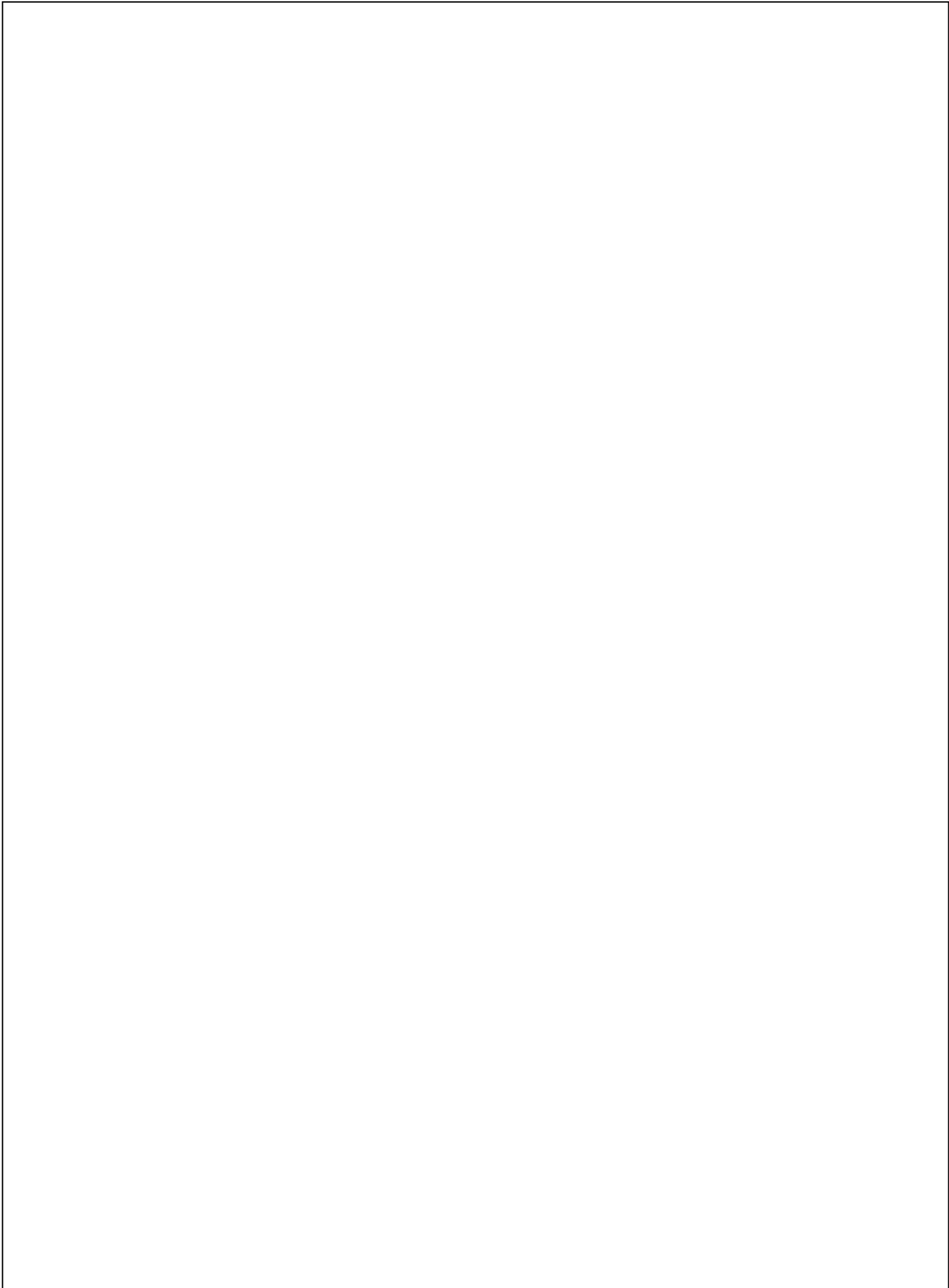


Infrared Photo Diode Specification

- Commodity: Infrared Photo diode
- Intensity Bin Limits (VR=5V, Ee=1mW/cm², =940nm)

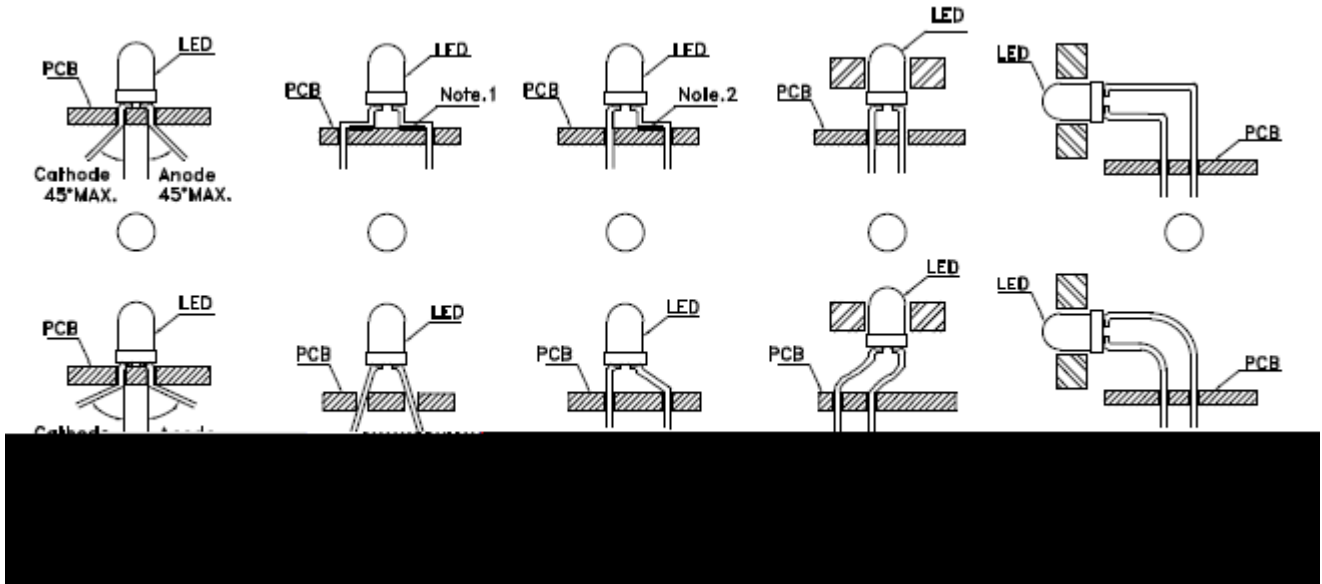
BIN CODE	Min.(uA)	Max.(uA)
36	53	64
37	64	77
38	77	92

LIGH



LED MOUNTING METHOD

1. The lead pitch of the LED must match the pitch of the mounting holes on the PCB during component placement. Lead-forming may be required to insure the lead pitch matches the hole pitch. Refer to the figure below for proper lead forming procedures (Fig.1).



mounting method

Note 1-2: Do not route PCB trace in the contact area between the lead frame and the PCB to prevent short-circuits.

2. When soldering wire to the LED, use individual heat-shrink tubing to insulate the exposed leads to prevent accidental contact short-circuit (Fig.2).

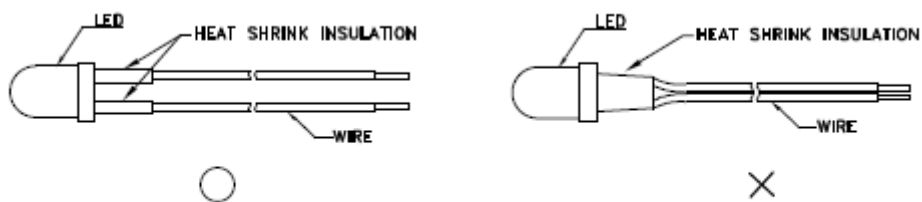
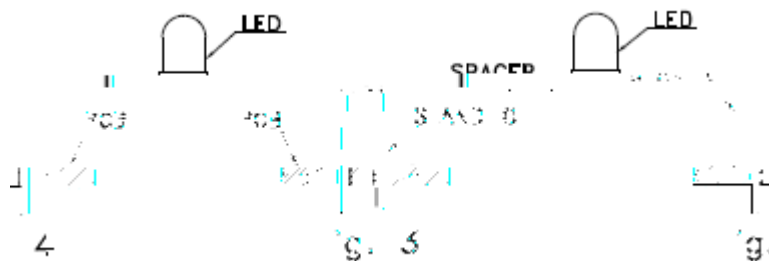


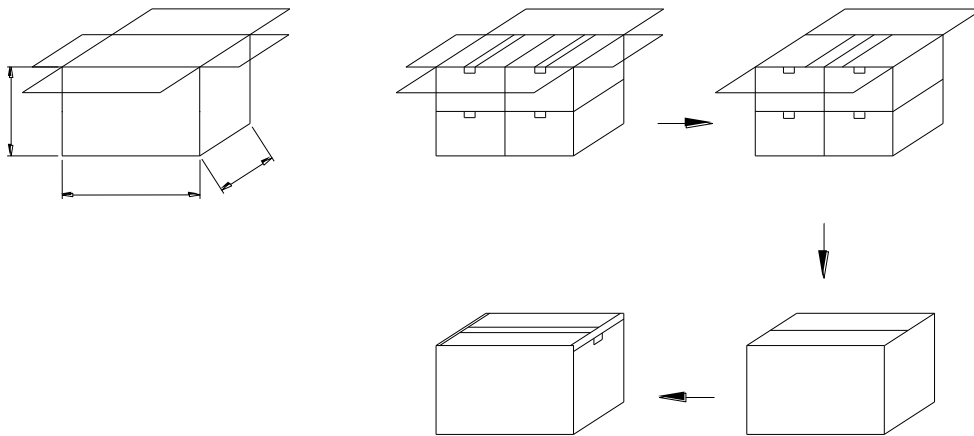
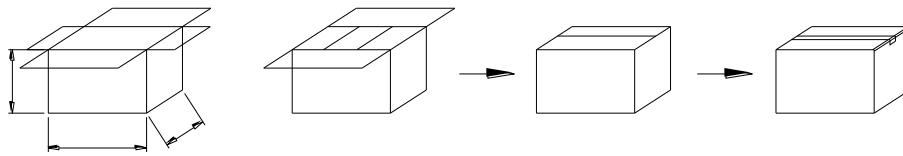
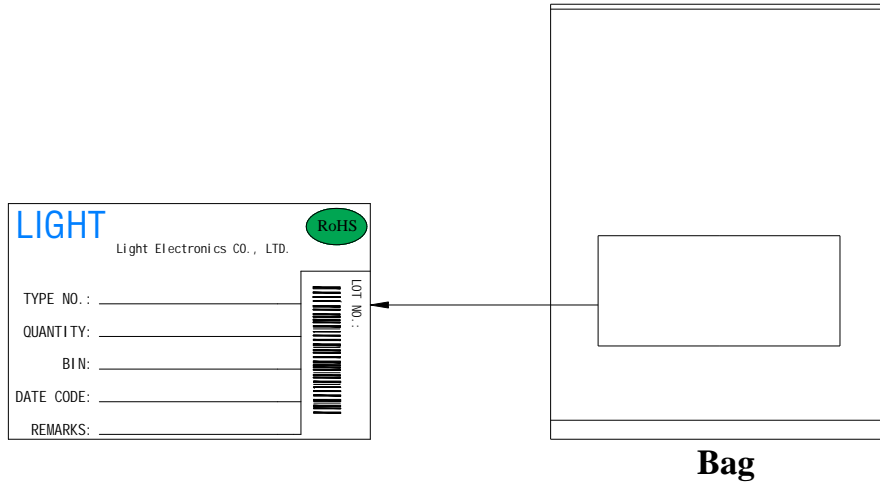
Fig. 2

3. Use stand-offs (Fig.3) or spacers (Fig.4) to securely position the LED above the PCB.



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PACKAGE



Bag minimum volume (pcs / Bag)	Bag volume (pcs / Bag)	Inner box volume (Bag / box)	Outer carton volume (Box / Carton)
500	1000	10	4