LIGHT

LG-05PT4D94H-5118Y-T
PHOTOTRANSISTOR
DATA SHEET

SPEC. NO. : SZ19092701
DATE : 2019/12/06
REV. A/4

Approved By: Checked By: Prepared By:

Absolute Maximum Ratings at Ta=25℃

Parameter	Maximum Rating	Unit
Power Dissipation	100	mW
Collector- Emitter Voltage	30	V
Emitter- Collector Voltage	5	V
Operating Temperature	-40℃~+85℃	
Storage Temperature Range	-40℃~+100℃	
Lead Soldering Temperature	260℃ for 5 seconds	

Note:

1. **Storage:**

   The storage ambient for the LEDs should not exceed 30 ℃ temperature or 70% relative humidity.

   It is recommended that LEDs out of their original packaging are used within three months.

   For extended storage out of their original packaging, it is recommended that the LEDs be stored in a sealed container with appropriate desiccant or in desiccators with nitrogen ambient.

2. **Precautions in handling:**

   - When soldering, leave 2mm of minimum clearance from the resin to the soldering point.
   - Dipping the resin to solder must be avoided.
   - Correcting the soldered position after soldering must be avoided.
   - In soldering, do not apply any stress to the lead frame particularly when heated.
   - When forming a lead, make sure not to apply any stress inside the resin.
   - Lead forming must be done before soldering.
   - It is necessary to cut the lead frame at normal temperature.

LEAD FORMING PROCEDURES

1. Maintain a minimum of 2mm clearance between the base of the LED lens and the first lead bend (Fig.5 and Fig.6).

2. Lead forming or bending must be performed before soldering, never during or after soldering.
3. Do not stress the LED lens during lead-forming in order to fractures in the lens epoxy