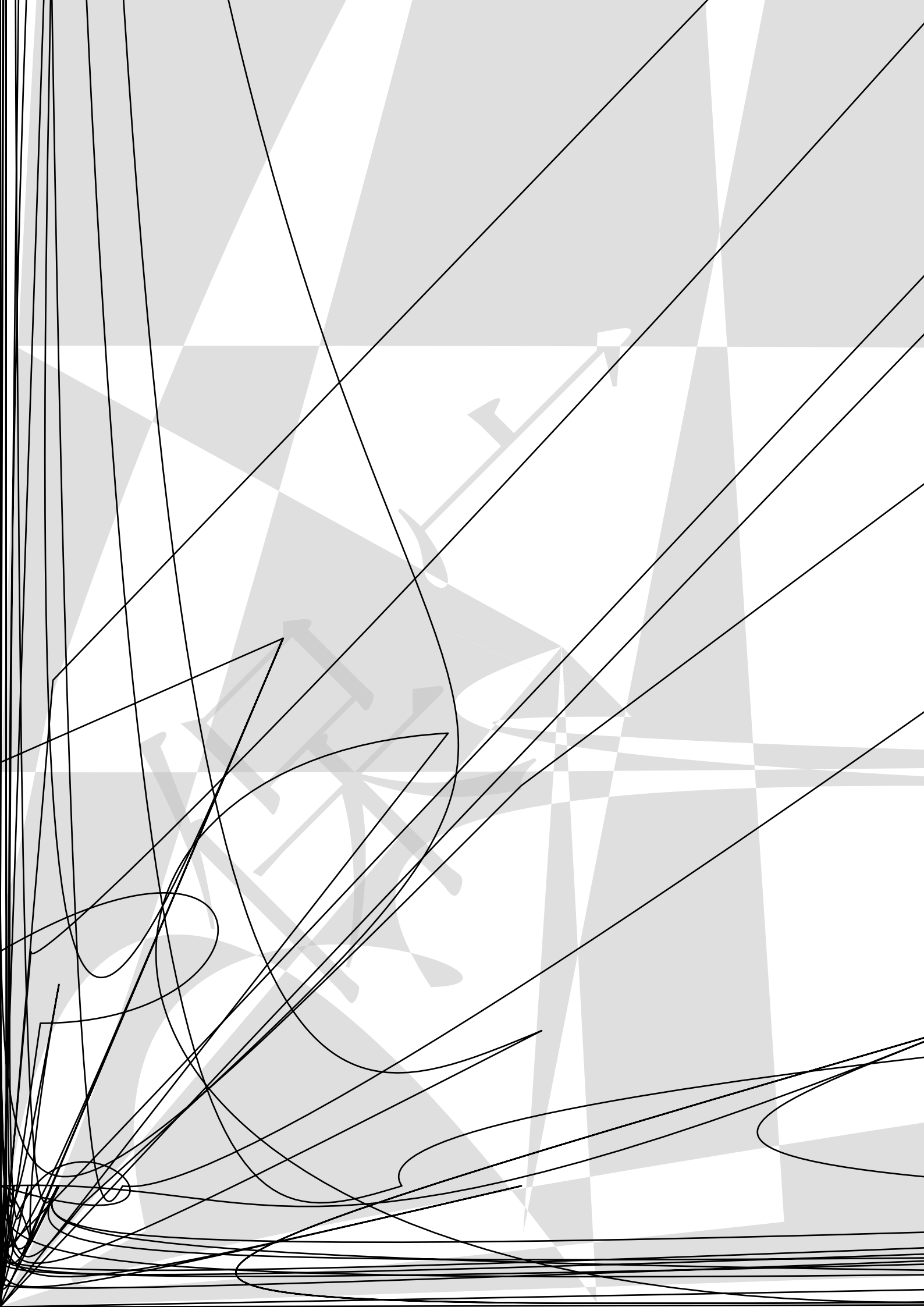


Absolute Maximum Ratings at Ta=25℃

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:**

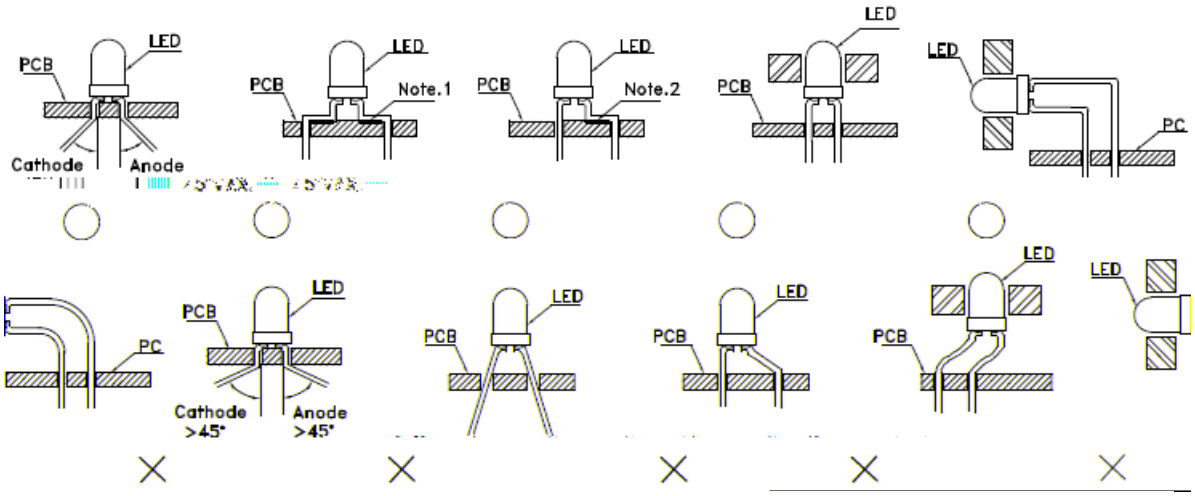
   - When soldering, leave 2mm of minimum clearance from the resin to the soldering point.
   - Dipping the resin to solder must be avoided.
   - Correcting the soldered position after soldering must be avoided.
   - In soldering, do not apply any stress to the lead frame particularly when heated.
   - 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.

LIGHT

Part No.

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)



-2:Do not route PCB Trace in the contact area between the lead frame and the PCB to prevent short-circuit.

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)

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

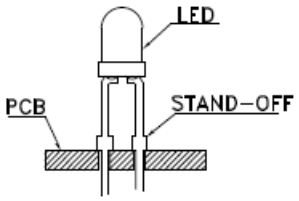


Fig. 3

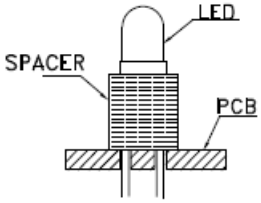


Fig. 4

L_GHT