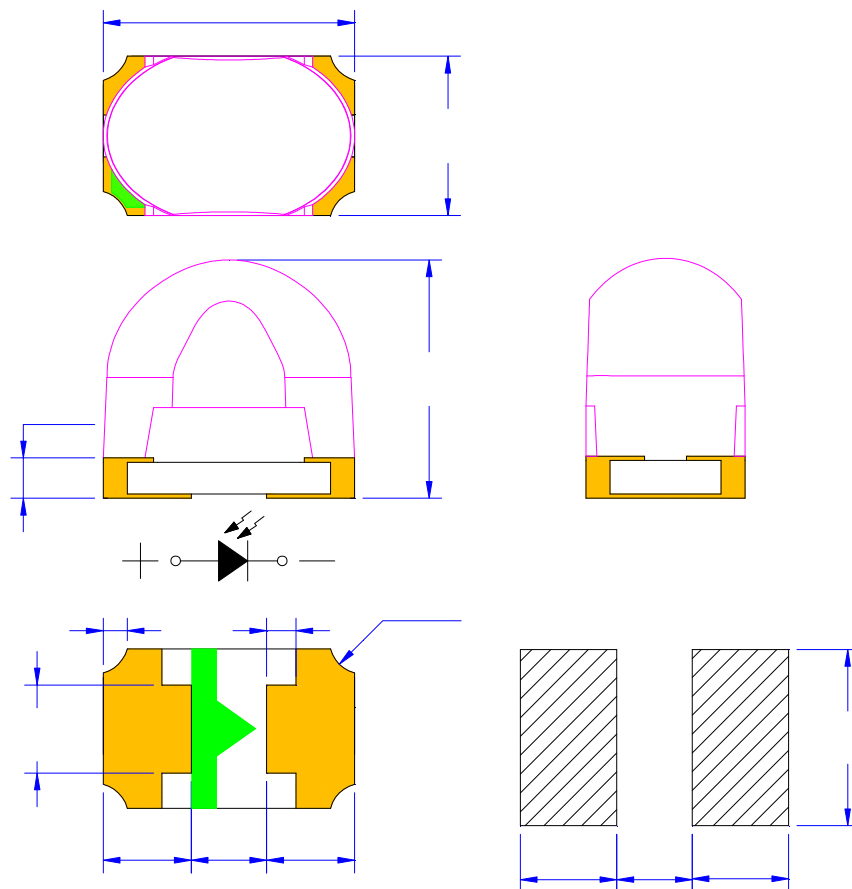


- ◆ Pb free product—RoHS compliant
- ◆ High Photo Sensitivity
- ◆ Reliable and rugged
- ◆ Long life – solid state reliability
- ◆ Sensitivity angle: 90°



Part NO.	Chip Material	Lens Color
SL-T3020PDB020-L285-E-S	Silicon	Black

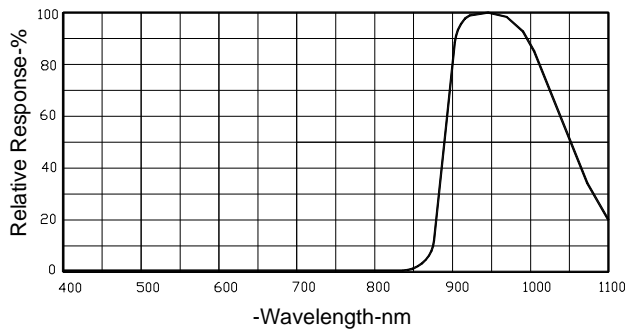
1. All dimensions are in millimeters.
2. Tolerance is $\pm 0.10\text{mm}$ unless otherwise noted.
3. Specifications are subject to change without notice.



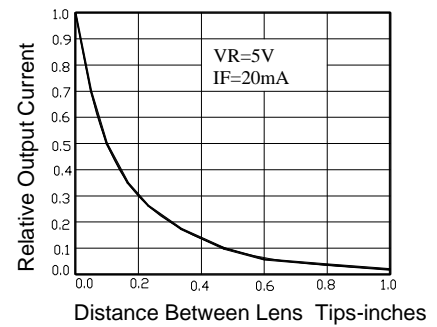
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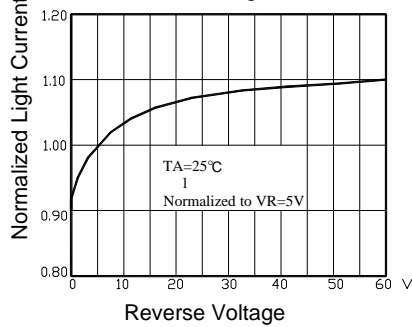
Relative Response vs. Wavelength



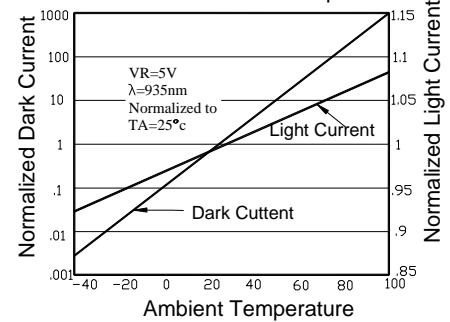
Coupling Characteristics



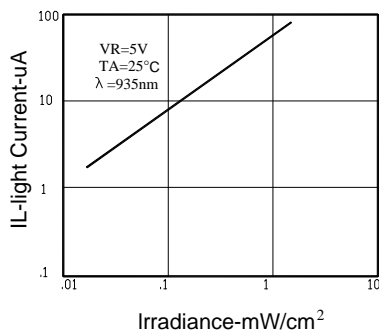
Normalized Light Current vs. Reverse Voltage



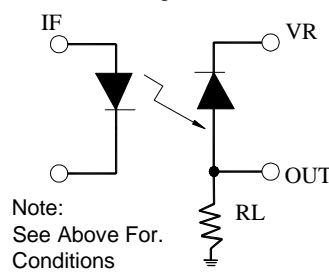
Normalized Light and Dark Current vs. Ambient Temperature



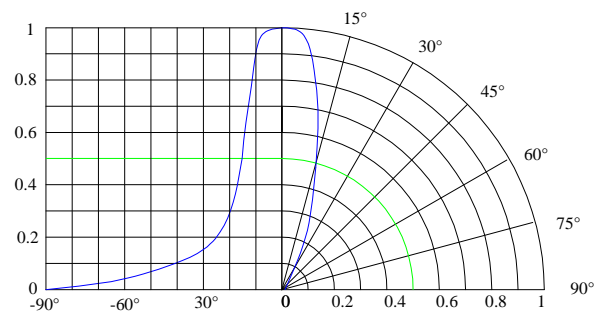
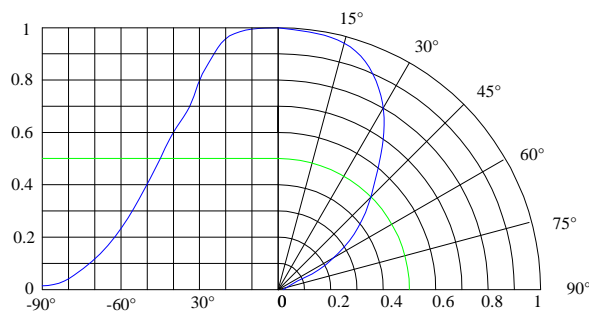
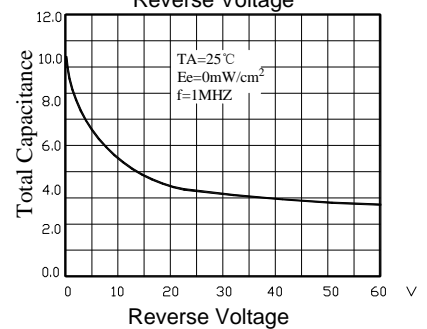
Light Current vs. Irradiance



Switching Time Test Circuit



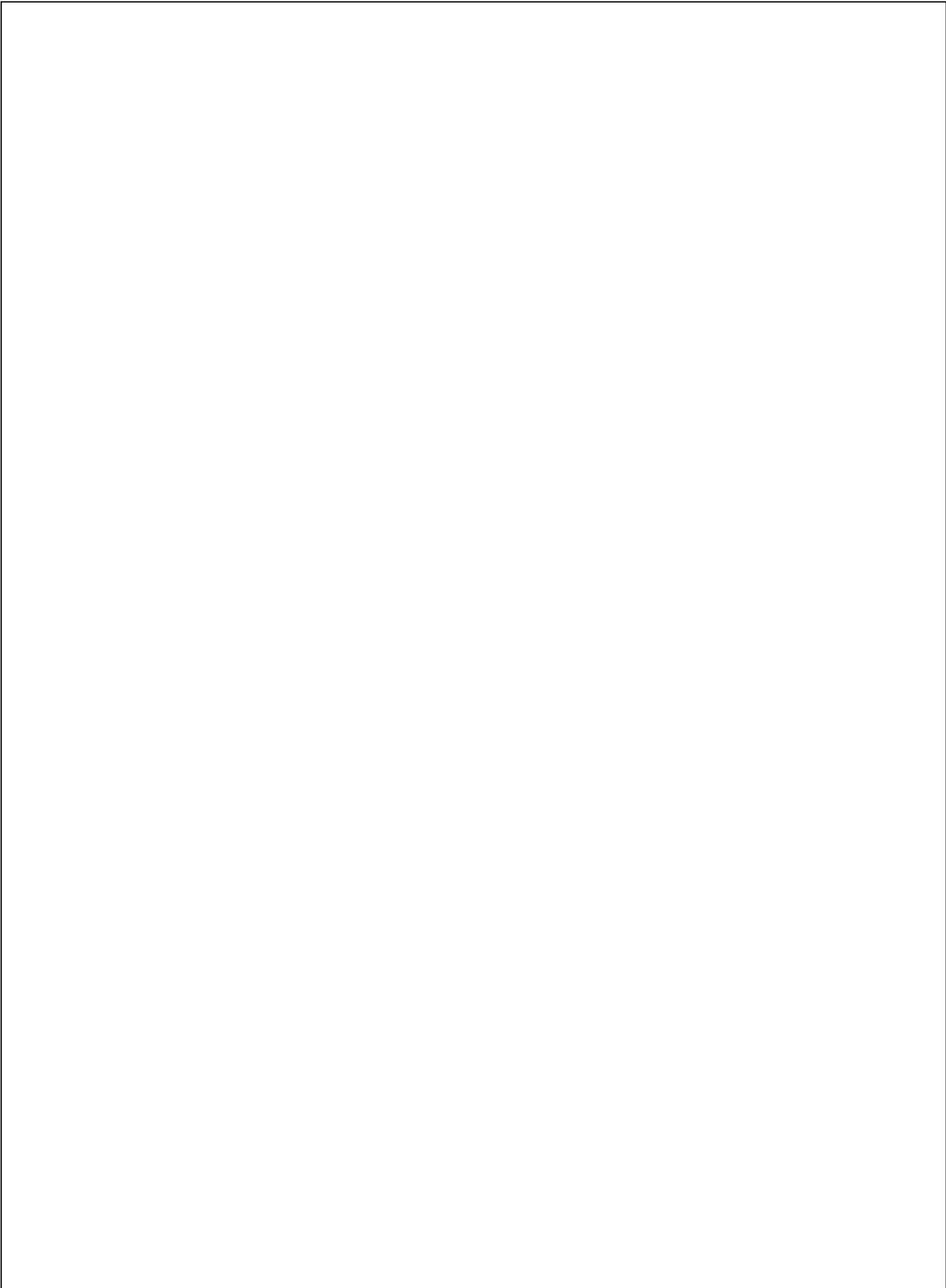
Total Capacitance vs. Reverse Voltage



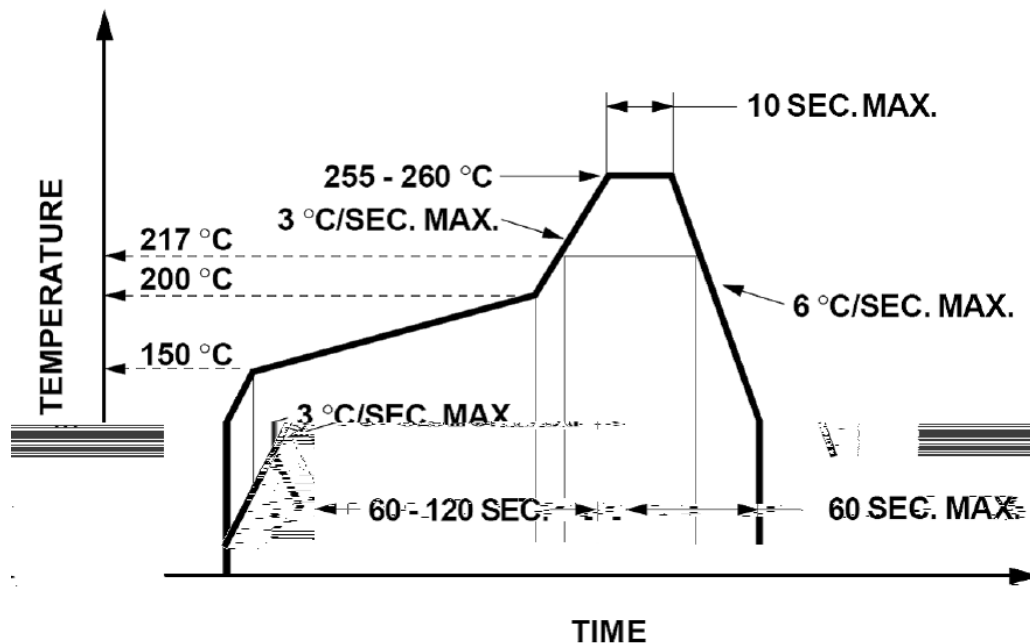


29	15.5	18.5
30	18.5	22
31	22	26

The I_L guarantee should be added ±15% tolerance.



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1. Reflow soldering should not be done more than two times.
2. When soldering, do not put stress on the LEDs during heating.

1. When hand soldering, the temperature of the iron must less than 300 °C for 3 seconds.
2. The hand solder should be done only once.

Repair should not be done after the LEDs have been soldered. When repairing is unavoidable, a double-head soldering iron should be used (as below figure). It should be confirmed beforehand whether the characteristics of LEDs will or will not be damaged by repairing.

