

P-tec Corp. Tel:(866) 695 4162  
 2405 Commerce Circle Tel:(719) 589 3122  
 Alamosa CO 81101 Fax:(719) 589 3592  
 sales@p-tec.net www.p-tec.net



## PL00133 Series SMD LED 0603 Package Top View

### Features

- \*Flat lens thin package 1.6 x 0.8 x 0.4mm
- \*Low current requirements
- \*High light output
- \*Compatible with IR solder-process
- \*Industry standard footprint
- \*4000 pcs per reel
- \*RoHS compliant

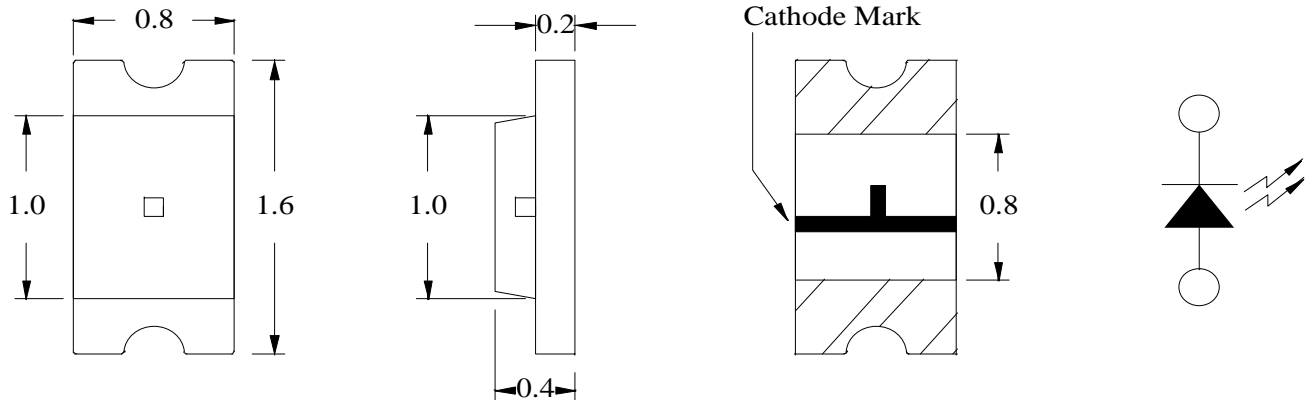
### Absolute Maximum Ratings at T<sub>A</sub> = 25°C

|   |                      |
|---|----------------------|
| Power Dissipation.....  | 78W                  |
| Reverse Voltage (<10μA) .....                                 | 5.0V                 |
| Max Forward Current .....                                     | 30mA                 |
| Peak Forward Current(1/10 Duty Cycle, 0.1ms Pulse Width)..... | 100mA                |
| Operating Temperature Range .....                             | -40°C to +85°C       |
| Storage Temperature Range .....                               | -40°C to +85°C       |
| Reflow Soldering Temperature.....                             | 260°C for 10 seconds |

### Electrical & Optical Characteristics at T<sub>A</sub> = 25°C

| Part Number   | Emitting Color      | Chip Material | Dominant Wave Length<br>(nm) Typ | Peak Wave Length<br>(nm) Typ | Viewing Angle<br>2θ1/2<br>Deg | Forward Voltage<br>@20mA (V) |     | Luminous Intensity<br>@20mA (mcd) |     |
|---------------|---------------------|---------------|----------------------------------|------------------------------|-------------------------------|------------------------------|-----|-----------------------------------|-----|
|               |                     |               |                                  |                              |                               | Typ                          | Max | Min                               | Typ |
| PL00133-WCY06 | Ultra-Bright Yellow | AlInGaP       | 590                              | 592                          | 130°                          | 2.1                          | 2.6 | 45                                | 72  |

Package Dimensions are in **Millimeters**. Tolerance is ± 0.15mm unless otherwise specified.



### Recommended Soldering Pad Layout

