

## ◎ PHOTO DIODE 光电二极管

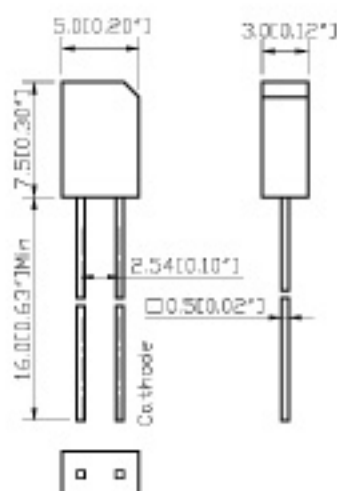
Rev: A Date: 2008/12/31

### Electro-Optical Characteristics:

| Code for parts<br>GH-XXXXX | Material          | Rise &<br>Fall<br>Time | BVR<br>Min<br>(V) | Reverse Light Current |                   |                         | Internal<br>Circuit                                                                |
|----------------------------|-------------------|------------------------|-------------------|-----------------------|-------------------|-------------------------|------------------------------------------------------------------------------------|
|                            |                   |                        |                   | At<br>Vr=             | Typ<br>( $\mu$ A) | Angle<br>2 $\theta$ 1/2 |                                                                                    |
| DIC517BC-35E               | Silicon<br>Planar | 50ns                   | 33.0              | 5V                    | 50.00             | 60                      |  |



### ◎ Package Outline Drawing:



- NOTES: 1. All dimensions are in millimeters (inches);  
2. Tolerances are  $\pm 0.2$ mm (0.008inch) unless otherwise noted;  
3. Resin color: Black.

#### ★ Soldering iron

Basic spec is  $\leq 5$ sec when  $260^{\circ}\text{C}$ . If temperature is higher, time should be shorter ( $+10^{\circ}\text{C} \rightarrow -1$ sec). Power dissipation of iron should be smaller than 15W, and temperatures should be controllable. Surface temperature of the device should be under  $230^{\circ}\text{C}$ .

### ◎ Absolute Maximum Ratings:

| Code for parts   | Power Dissipation (mW) | V <sub>R</sub> (V) | T <sub>OP</sub> ( $^{\circ}\text{C}$ ) | T <sub>ST</sub> ( $^{\circ}\text{C}$ ) |
|------------------|------------------------|--------------------|----------------------------------------|----------------------------------------|
| GH- DIC517BC-35E | 150                    | 33                 | -40~+80                                | -40~+85                                |