



Part No. : Hi-03A4SBDAC-02B

## Outline Dimensions

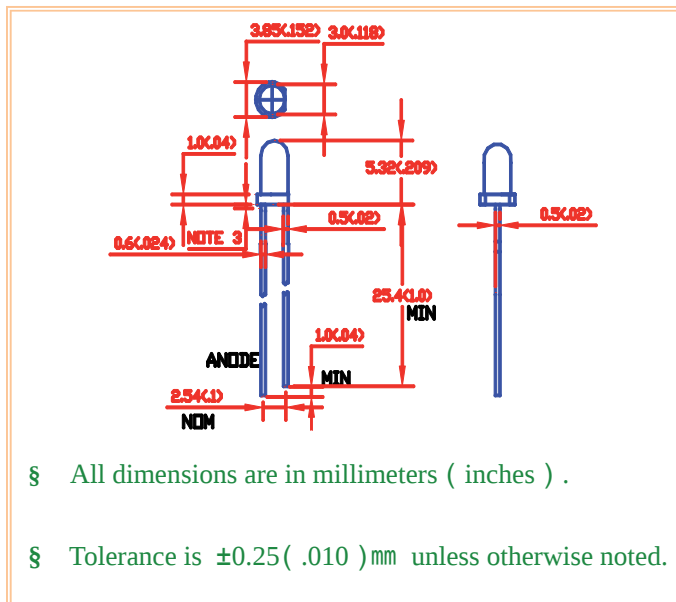
19/04160-00

§ Standard 3mm diameter package.

## Characters

§ High intensity.

| ITEM            | MATERIALS             |
|-----------------|-----------------------|
| Resin(Mold)     | Epoxy                 |
| Lens Color Code | C Water Transparent   |
|                 | T Colored Transparent |
|                 | D White Diffused      |
|                 | E Colored Diffused    |
| Lead Frame      | Ag Plating Iron Alloy |
| Dice            | InGaN                 |

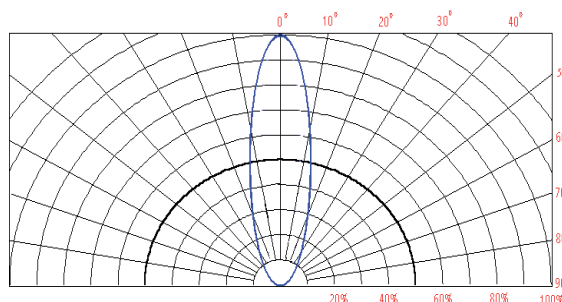


## Absolute Maximum Ratings ( Ta=25°C )

| Item                   | Symbol | Value                   | Unit |
|------------------------|--------|-------------------------|------|
| Power Dissipation      | PD     | 100                     | mW   |
| DC Forward Current     | IF     | 30                      | mA   |
| Pulsed Forward Current | IFP    | 100*                    | mA   |
| Reverse Voltage        | VR     | 5                       | V    |
| Operating Temperature  | Topr   | -25 ~ +80               | °C   |
| Storage Temperature    | Tstg   | -40 ~ +100              | °C   |
| Soldering Temperature  | Tsol   | 260for5sec <sup>Δ</sup> | °C   |

\* Duty 1/10 Pulse Width 0.1ms <sup>Δ</sup> At the position of 4mm from the bottom of the package

## Directive Characteristics ( Ta=25°C )



## Electrical-Optical Characteristics ( Ta=25°C )

| Parameter               | Symbol       | Value |       |       | Unit | Test condition |
|-------------------------|--------------|-------|-------|-------|------|----------------|
|                         |              | Min.  | Typ.  | Max.  |      |                |
| Forward Voltage         | Vf           | ---   | 3 . 0 | 3 . 4 | V    | If=20mA        |
| Luminous intensity      | Iv           | 1500  | ---   | 3500  | mcd  | If=20mA        |
| Wavelength              | X(&lambda;d) | ---   | 465   | 470   | (nm) | If=20mA        |
|                         | y            | ---   | ---   | ---   | ---  | If=20mA        |
| Reverse Current         | Ir           | ---   | ---   | 5     | μA   | Vr=5V          |
| Viewing angle           | 2θ1/2        | ---   | 25    | ---   | Deg  | If=20mA        |
| Spectral half bandwidth | Δλ           | ---   | 30    | ---   | nm   | If=20mA        |