

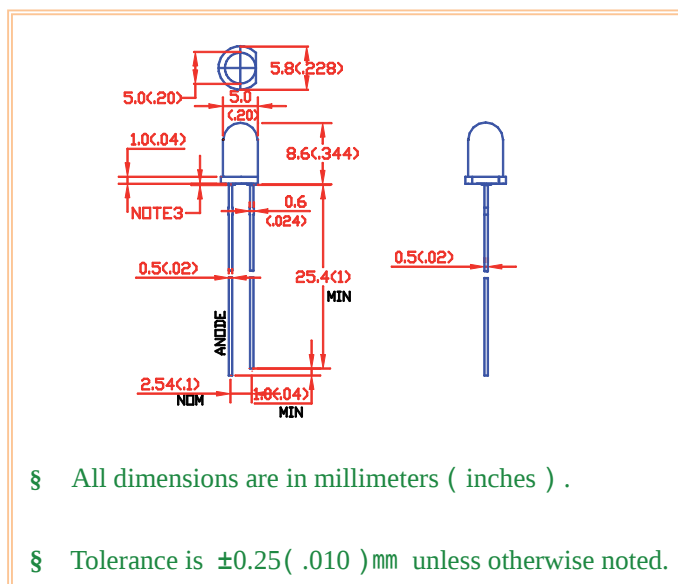

**Part No.:HI-05A4SRC-150N0**
**19/04300-00**

§ Standard 5mm diameter package.

**Characters**

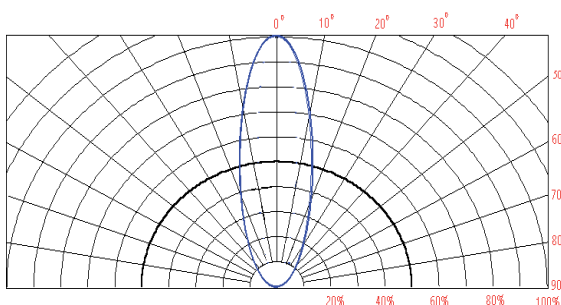
§ High intensity.

| 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                 |

**Outline Dimensions**

**Absolute Maximum Ratings (  $T_a=25^\circ\text{C}$  )**

| Item                   | Symbol | Value               | Unit |
|------------------------|--------|---------------------|------|
| Power Dissipation      | PD     | 100                 | mW   |
| DC Forward Current     | IF     | 50                  | mA   |
| Pulsed Forward Current | IFP    | 600*                | mA   |
| Reverse Voltage        | VR     | 5                   | V    |
| Operating Temperature  | Topr   | -25 ~ +80           | °C   |
| Storage Temperature    | Tstg   | -40 ~ +100          | °C   |
| Soldering Temperature  | Tsol   | 260for5sec $\Delta$ | °C   |

\* Duty 1/10 Pulse Width 0.1ms  $\Delta$  At the position of 4mm from the bottom of the package

**Directive Characteristics (  $T_a=25^\circ\text{C}$  )**

**Electrical-Optical Characteristics (  $T_a=25^\circ\text{C}$  )**

| Parameter               | Symbol       | Value |      |       | Unit | Test condition |
|-------------------------|--------------|-------|------|-------|------|----------------|
|                         |              | Min.  | Typ. | Max.  |      |                |
| Forward Voltage         | Vf           | 1.8   | 1.9  | 2 . 4 | V    | If=20mA        |
| Luminous intensity      | IV           | 1000  | 2000 | 3500  | mcd  | If=20mA        |
| Wavelength              | X(&lambda;d) | ---   | 620  | 630   | (nm) | If=20mA        |
|                         | y            | ---   | ---  | ---   | ---  | If=20mA        |
| Reverse Current         | Ir           | ---   | ---  | 5     | μA   | Vr=5V          |
| Viewing angle           | 2θ1/2        | ---   | 30   | ---   | Deg  | If=20mA        |
| Spectral half bandwidth | Δλ           | ---   | 25   | ---   | nm   | If=20mA        |