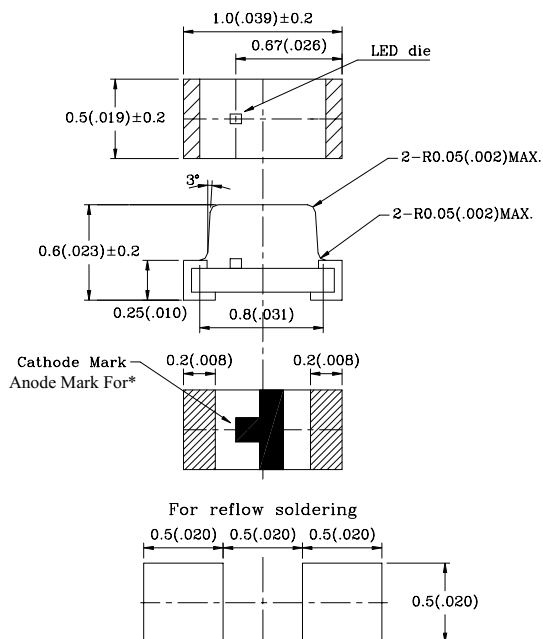




# STANDARD CHIP LED LAMPS



## BL-HXXX7A (0402) Series



Absolute Maximum Ratings(Ta=25°C)

|                | UNIT | SPEC.   |
|----------------|------|---------|
| IF             | mA   | 30      |
| IFp            | mA   | 100     |
| V <sub>R</sub> | V    | 5       |
| IR             | uA   | 100     |
| Top            | °C   | -25~+80 |
| Tstg           | °C   | -30~+85 |

### NOTE:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.10(.004)$ " unless otherwise specified.
3. Specifications are subject to change without notice.
4. Condition for IFp is pulse of 1/10 duty and 0.1msec width.

| Part No.    | Chip        |               |                        |            | Lens Appearance | Electro-optical Data (At 20mA) |      |                      |      | Viewing Angle<br>2θ 1/2<br>(deg)±5 |
|-------------|-------------|---------------|------------------------|------------|-----------------|--------------------------------|------|----------------------|------|------------------------------------|
|             | Material    | Emitted Color | λ <sub>p</sub><br>(nm) | Δλ<br>(nm) |                 | V <sub>f</sub> (V)             |      | I <sub>v</sub> (mcd) |      |                                    |
|             |             |               |                        |            |                 | Typ.                           | Max. | Min.                 | Typ. |                                    |
| BL-HH037A   | GaP/GaP     | Bright Red    | 700                    | 90         | Water Clear     | 2.2                            | 2.6  | 0.3                  | 0.8  | 110                                |
| BL-HG037A   | GaP/GaP     | Green         | 568                    | 30         |                 | 2.2                            | 2.6  | 3.5                  | 10.0 |                                    |
| BL-HY037A   | GaAsP/GaP   | Yellow        | 585                    | 35         |                 | 2.2                            | 2.6  | 1.5                  | 4.0  |                                    |
| BL-HE037A   | GaAsP/GaP   | Hi-Eff Red    | 630                    | 45         |                 | 2.2                            | 2.6  | 2.0                  | 6.0  |                                    |
| BL-HEF37A   | GaAsP/GaP   | Soft Orange   | 610                    | 35         |                 | 2.2                            | 2.6  | 1.5                  | 5.0  |                                    |
| * BL-HSA37A | GaAlAs/GaAs | Super Red     | 660                    | 20         |                 | 2.0                            | 2.6  | 3.5                  | 10.0 |                                    |