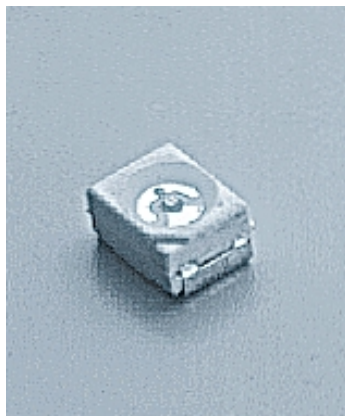
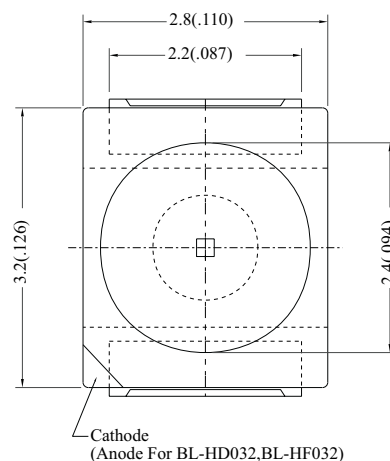
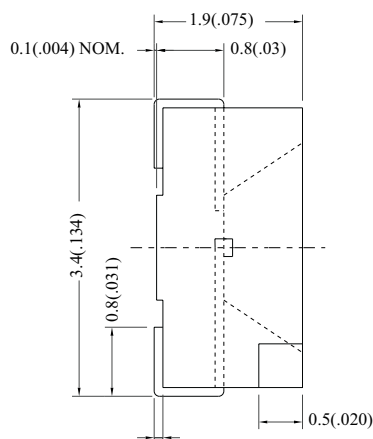


# SURFACE MOUNT CHIP LED LAMPS



## BL-HXXX2 Series



Absolute Maximum Ratings(Ta=25°C)

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

### NOTE:

- 1.All dimensions are in millimeters(inches).
- 2.Tolerance is  $\pm 0.25(.010)$  unless otherwise specified.
- 3.Specifications are subject to change without notice.

| Part No. | Chip          |               |                     |                          | Lens Appearance | Electro-optical Data (At 20mA) |      |         |      | Viewing Angle<br>2 $\theta$ 1/2<br>(deg) |
|----------|---------------|---------------|---------------------|--------------------------|-----------------|--------------------------------|------|---------|------|------------------------------------------|
|          | Material      | Emitted Color | $\lambda$ P<br>(nm) | $\Delta \lambda$<br>(nm) |                 | Vf(V)                          |      | Iv(mcd) |      |                                          |
|          |               |               |                     |                          |                 | Typ.                           | Max. | Min.    | Typ. |                                          |
| BL-HH032 | GaP/GaP       | Bright Red    | 700                 | 90                       | Water Clear     | 2.3                            | 2.6  | 1.4     | 4.2  | 120                                      |
| BL-HG032 | GaP/GaP       | Green         | 568                 | 30                       |                 | 2.1                            | 2.6  | 6.0     | 18.0 |                                          |
| BL-HX032 | GaP/GaP       | Hi-Eff Green  | 568                 | 30                       |                 | 2.0                            | 2.6  | 8.0     | 25.0 |                                          |
| BL-HW032 | GaP/GaP       | Pure Green    | 555                 | 25                       |                 | 2.2                            | 2.6  | 0.6     | 1.8  |                                          |
| BL-HY032 | GaAsP/GaP     | Yellow        | 585                 | 35                       |                 | 2.1                            | 2.6  | 4.0     | 13.0 |                                          |
| BL-HE132 | GaAsP/GaP     | Hi-Eff Red    | 635                 | 45                       |                 | 1.9                            | 2.6  | 4.5     | 14.5 |                                          |
| BL-HD032 | GaAlAs/GaAs   | Super Red     | 660                 | 20                       |                 | 1.7                            | 2.6  | 20.0    | 60.0 |                                          |
| BL-HF032 | GaAlAs/GaAlAs | Ultra Red     | 660                 | 20                       |                 | 2.0                            | 2.6  | 22.0    | 65.0 |                                          |
| BL-HJ032 | AlGaInP       | Super Orange  | 620                 | 17                       |                 | 2.0                            | 2.6  | 24.0    | 72.0 |                                          |
| BL-HK032 | AlGaInP       | Super Yellow  | 588                 | 15                       |                 | 2.0                            | 2.6  | 24.0    | 72.0 |                                          |