

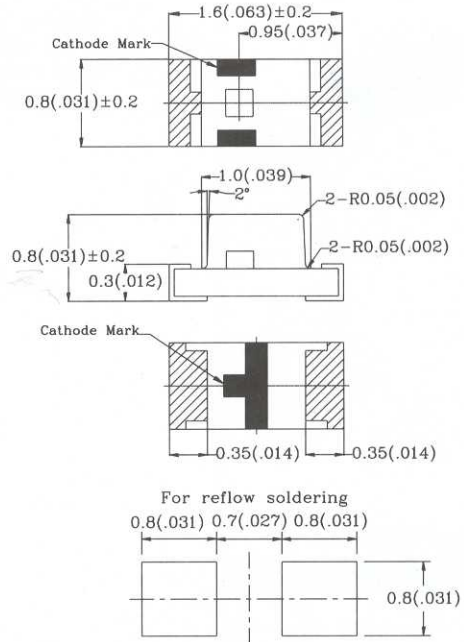
# SURFACE MOUNT CHIP LED LAMPS

## 0603 Flat Top BL-Hxxx6D Series



Anode Mark For

- BL-HSxx6D
- BL-HDxx6D
- BL-HFxx6D



Absolute Maximum Ratings(Ta=25°C)

|      | UNIT | SPEC.   |
|------|------|---------|
| IF   | mA   | 30      |
| IFp  | mA   | 100     |
| VR   | V    | 5       |
| Topr | °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.

| Part No.  | Chip        |                    |             |             | Lens Appearance | Electro-optical Data (At 20mA) |      |         |       | Viewing Angle<br>2θ 1/2<br>(deg) |
|-----------|-------------|--------------------|-------------|-------------|-----------------|--------------------------------|------|---------|-------|----------------------------------|
|           | Material    | Emitted Color      | λ p<br>(nm) | λ d<br>(nm) |                 | Vf(V)                          |      | Iv(mcd) |       |                                  |
|           |             |                    |             |             |                 | Typ.                           | Max. | Min.    | Typ.  |                                  |
| BL-HE136D | GaAsP/GaP   | Hi-Eff Red         | 640         | 628         | Water Clear     | 2.0                            | 2.6  | 2.4     | 8.0   | 120                              |
| BL-HS136D | GaAlAs/GaAs | Super Red          | 660         | 643         |                 | 1.7                            | 2.6  | 5.5     | 15.0  |                                  |
| BL-HD036D | GaAlAs/GaAs | Super Red          | 660         | 643         |                 | 1.8                            | 2.6  | 8.2     | 25.0  |                                  |
| BL-HF036D | GaAlAs      | Super Red          | 660         | 643         |                 | 2.1                            | 2.6  | 18.5    | 30.0  |                                  |
| BL-HUB36D | AlGaInP     | Super Red          | 645         | 632         |                 | 2.1                            | 2.6  | 28.0    | 50.0  |                                  |
| BL-HJB36D | AlGaInP     | Super Orange Red   | 620         | 615         |                 | 2.0                            | 2.6  | 28.0    | 50.0  |                                  |
| BL-HJD36D | AlGaInP     | Super Orange Red   | 630         | 625         |                 | 2.1                            | 2.6  | 28.0    | 50.0  |                                  |
| BL-HG036D | GaP/GaP     | Yellow Green       | 568         | 571         |                 | 2.1                            | 2.6  | 3.7     | 12.0  |                                  |
| BL-HX136D | GaP/GaP     | Hi-Eff Green       | 568         | 570         |                 | 2.2                            | 2.6  | 5.5     | 12.0  |                                  |
| BL-HW136D | GaP/GaP     | Pure Green         | 557         | 563         |                 | 2.2                            | 2.6  | 1.6     | 3.0   |                                  |
| BL-HGD36D | AlGaInP     | Super Yellow Green | 570         | 570         |                 | 2.0                            | 2.6  | 12.3    | 20.0  |                                  |
| BL-HG436D | InGaN       | Bluish Green       | 505         | 505         |                 | 3.5                            | 4.0  | 63.0    | 120.0 |                                  |
| BL-HG636D | InGaN       | Green              | 525         | 525         |                 | 3.5                            | 4.0  | 63.0    | 160.0 |                                  |
| BL-HY036D | GaAsP/GaP   | Yellow             | 583         | 585         |                 | 2.1                            | 2.6  | 2.4     | 6.0   |                                  |
| BL-HKB36D | AlGaInP     | Super Yellow       | 590         | 587         |                 | 2.1                            | 2.6  | 28.0    | 45.0  |                                  |
| BL-HKD36D | AlGaInP     | Super Yellow       | 595         | 594         |                 | 2.1                            | 2.6  | 28.0    | 45.0  |                                  |
| BL-HA136D | GaAsP/GaP   | Amber              | 610         | 610         |                 | 2.2                            | 2.6  | 2.4     | 5.0   |                                  |
| BL-HJF36D | AlGaInP     | Super Amber        | 610         | 605         |                 | 2.0                            | 2.6  | 28.0    | 50.0  |                                  |