

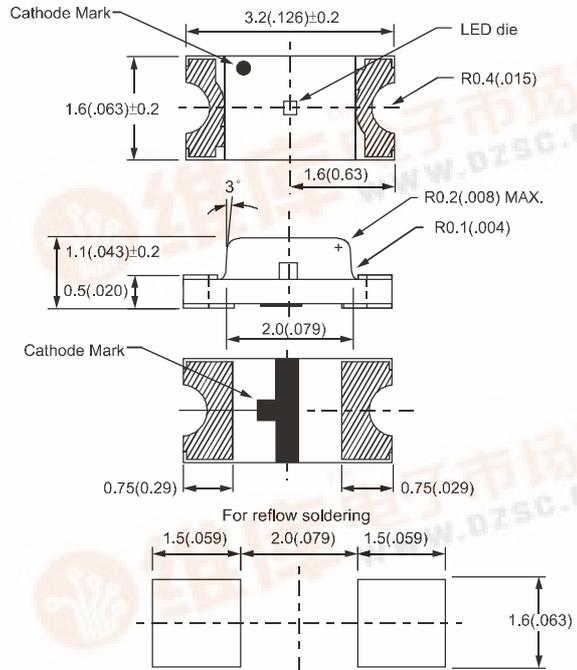


SURFACE MOUNT CHIP LED LAMPS



BL-Hxxx3 (1206) Series

Anode Mark For
 [BL - HSxx3
 BL - HDxx3
 BL - HFxx3



■ 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 ±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 2 θ 1/2 (deg) |
|----------|-------------|--------------------|------------|------------|-----------------|--------------------------------|------|----------|-------|-----------------------------------|
| | Material | Emitted Color | λp (nm) | λd (nm) | | Vf (V) | | Iv (mcd) | | |
| | | | | | | Typ. | Max. | Min. | Typ. | |
| BL-HS133 | GaAlAs/GaAs | Super Red | 660 | 643 | Water Clear | 1.7 | 2.6 | 5.5 | 15.0 | 120° |
| BL-HUB33 | AlGaInP | Super Red | 645 | 632 | | 2.1 | 2.6 | 28.0 | 50.0 | |
| BL-HJB33 | AlGaInP | Super Orange Red | 620 | 615 | | 2.0 | 2.6 | 28.0 | 50.0 | |
| BL-HJE33 | AlGaInP | Super Orange Red | 630 | 625 | | 2.1 | 2.6 | 63.0 | 100.0 | |
| BL-HG033 | GaP/GaP | Yellow Green | 568 | 571 | | 2.1 | 2.6 | 3.7 | 12.0 | |
| BL-HX133 | GaP/GaP | Hi-Eff Green | 568 | 570 | | 2.2 | 2.6 | 5.5 | 12.0 | |
| BL-HGE33 | AlGaInP | Super Yellow Green | 570 | 570 | | 2.0 | 2.6 | 18.5 | 35.0 | |
| BL-HG433 | InGaN | Bluish Green | 505 | 505 | | 3.5 | 4.0 | 63.0 | 120.0 | |
| BL-HG633 | InGaN | Green | 525 | 525 | | 3.5 | 4.0 | 63.0 | 160.0 | |
| BL-HY033 | GaAsP/GaP | Yellow | 583 | 585 | | 2.1 | 2.6 | 2.4 | 6.0 | |
| BL-HKB33 | AlGaInP | Super Yellow | 590 | 587 | | 2.1 | 2.6 | 28.0 | 45.0 | |
| BL-HKC33 | AlGaInP | Super Yellow | 590 | 586 | | 2.1 | 2.6 | 63 | 120.0 | |
| BL-HA133 | GaAsP/GaP | Amber | 610 | 610 | | 2.2 | 2.6 | 2.4 | 5.0 | |
| BL-HJF33 | AlGaInP | Super Amber | 610 | 605 | | 2.0 | 2.6 | 28.0 | 50.0 | |

| Part No. | Chip | | | | Lens Appearance | Electro-optical Data (At 5mA) | | | | Viewing Angle 2 θ 1/2 (deg) |
|----------|----------|---------------|------------|------------|-----------------|-------------------------------|------|----------|------|-----------------------------------|
| | Material | Emitted Color | λp (nm) | λd (nm) | | Vf (V) | | Iv (mcd) | | |
| | | | | | | Typ. | Max. | Min. | Typ. | |
| BL-HB333 | AllnGaN | Super Blue | 460 | 465-470 | Water Clear | 2.8 | 3.2 | 8.2 | 15.0 | 120° |
| BL-HB533 | AllnGaN | Super Blue | 470 | 470-475 | | 2.8 | 3.2 | 8.2 | 20.0 | |

