

PRODUCT SPECIFICATION

DATE : 05/27/2004

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| cosmo ELECTRONICS CORPORATION | LAMP LED: | NO. 60L51007 | REV. |
| | KLR05CBX | SHEET 1 OF 1 | 1 |

KLR05CBX

FEATURE:

- SUPER LUMINOSITY BLUE LED (InGaN/Sapphire).
- WATER CLEAR PACKAGE.
- 5 mm ALL RESIN MOLD.
- WIDE VIEWING ANGLE.

ABSOLUTE MAXIMUM RATING: Ta=25°C

- POWER DISSIPATION..... 108mW
- PEAK FORWARD CURRENT..... 100mA *
- CONTINUOUS FORWARD CURRENT..... 30mA
- DERATING FACTOR..... 0.40mA/°C
- REVERSE VOLTAGE..... 5V
- OPERATING TEMPERATURE..... -25 TO +85°C
- STORAGE TEMPERATURE..... -35 TO +100°C
- SOLDERING TEMPERATURE..... 260°C / 5sec

*Note Duty Ratio=1/16 , Pulse Width=0.1ms

ABSOLUTE OPTICAL CHARACTERISTIC Ta=25°C

| PARAMETER | | SYMBOL | MIN | TYP | MAX | UNIT |
|------------------------------|--------------------|-------------------|------|-----|------|------|
| Forward Voltage | If=20mA | V _F | | 3.2 | 3.6 | V |
| Luminous Intensity | If=20mA | I _v | 1500 | | 4200 | mcd |
| Dominant Wavelength | If=20mA | λ _d | | 470 | | nm |
| Spectrum Radiation Bandwidth | If=20mA | Δλ | | 20 | | nm |
| Reverse Current | V _R =5V | I _R | | | 100 | μA |
| Viewing Angle | | 2θ _{1/2} | | 15 | | deg |

OUTLINE DIMENSIONS Unit (mm) Tolerance (±0.25)

