

### FEATURE:

- SUPER LUMINOSITY BLUE LED (*InGaN/SiC*)
- WHITE DIFFUSED PACKAGE
- 5mm ALL RESIN MOLD.
- WIDE VIEWING ANGLE
- UV RESISTENT EPOXY.

### ABSOLUTE MAXIMUM RATING: Ta = 25

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

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

### ABSOLUTE OPTICAL CHARACTERISTIC Ta= 25

| PARAMETER                    |                        | SYMBOL         | MIN | TYP | MAX | UNIT |
|------------------------------|------------------------|----------------|-----|-----|-----|------|
| Forward Voltage              | I <sub>F</sub> = 20 mA | V <sub>F</sub> |     | 3.2 | 3.6 | V    |
| Luminous Intensity           | I <sub>F</sub> = 20 mA | I <sub>v</sub> | 140 | 200 | 400 | mcd  |
| Dominant Wavelength          | I <sub>F</sub> = 20 mA | λ <sub>d</sub> |     | 470 |     | nm   |
| Spectrum Radiation Bandwidth | I <sub>F</sub> = 20 mA | Δλ             |     | 20  |     | nm   |
| Reverse Current              | V <sub>R</sub> = 5 V   | I <sub>R</sub> |     |     | 10  | μA   |
| Viewing Angle                |                        | 2θ 1/2         |     | 100 |     | deg  |

### OUTLINE DIMENSIONS

Unit (mm)

Tolerance (±0.25)

