

### FEATURE:

- SUPER BRIGHTNESS RED LED (GaAlAs/GaAs).
- WATER CLEAN PACKAGE.
- 3.8mm ALL RESIN MOLD.
- WIDE VIEWING ANGLE.

### ABSOLUTE MAXIMUM RATING: $T_a = 25^\circ\text{C}$

- POWER DISSIPATION..... 110 mW
- PEAK FORWARD CURRENT..... 100 mA ※
- CONTINUOUS FORWARD CURRENT..... 50 mA
- DERATING FACTOR ..... 0.40 mA/°C
- REVERSE VOLTAGE..... 5 V
- 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 $T_a = 25^\circ\text{C}$

| PARAMETER                    |                      | SYMBOL          | MIN | TYP  | MAX | UNIT          |
|------------------------------|----------------------|-----------------|-----|------|-----|---------------|
| Forward Voltage              | $I_F = 20\text{ mA}$ | $V_F$           |     | 1.75 | 2.2 | V             |
| Luminous Intensity           | $I_F = 20\text{ mA}$ | $I_v$           | 100 | 120  |     | mcd           |
| Peak Emission Wavelength     | $I_F = 20\text{ mA}$ | $\lambda_p$     |     | 660  |     | nm            |
| Spectrum Radiation Bandwidth | $I_F = 20\text{ mA}$ | $\Delta\lambda$ |     | 20   |     | nm            |
| Reverse Current              | $V_R = 5\text{ V}$   | $I_R$           | 10  |      |     | $\mu\text{A}$ |
| Viewing Angle                |                      | $2\theta_{1/2}$ |     | 50   |     | deg           |

### OUTLINE DIMENSIONS

Unit (mm)

Tolerance ( $\pm 0.25$ )

