

FEATURE:

- SUPER LUMINOSITY BLUE LED(InGaN).
- WATER CLEAR PACKAGE.
- 5 m/m T-1 3/4 ALL ROUND RESIN MOLD.
- NARROW VIEWING ANGLE.
- UV RESISTENT EPOXY FOR OUTDOOR USE.

ABSOLUTE MAXIMUM RATING: $T_a = 25$

- POWER DISSIPATION ----- 120 mW
- PEAK FORWARD CURRENT ----- 100 mA
- CONTINUOUS FORWARD CURRENT----- 30 mA
- DERATING FACTOR----- 40 mA/
- REVERSE VOLTAGE ----- 5 V
- OPERATING TEMPERATURE ----- - 25 TO + 85
- STORAGE TEMPERATURE ----- - 35 TO + 100
- SOLDERING TEMPERATURE ----- 260 / 5sec
- OPERATING HUMIDITY----- 90%

Note: Duty Ratio = 1/10 , Pulse Width = 0.1ms

ABSOLUTE OPTICAL CHARACTERISTIC $T_a = 25$

| PARAMETER | | SYMBOL | MIN | TYP | MAX | UNIT |
|------------------------------|-----------|-----------------|------|-----|------|---------|
| Forward Voltage | IF= 20 mA | V_F | | 3.6 | 4.0 | V |
| Luminous Intensity | IF= 20 mA | I_V | 1500 | | 4200 | mcd |
| Domain Emission Wavelength | IF= 20 mA | λ_d | | 472 | | nm |
| Spectrum Radiation Bandwidth | IF= 20 mA | D_l | | 35 | | nm |
| Reverse Current | VR= 5 V | I_R | | | 50 | μA |
| Viewing Angle | | $2\theta_{1/2}$ | | 15 | | deg |

OUTLINE DIMENSIONS Unit (mm)

Tolerance (± 0.25)

