

### FEATURE:

- HIGH POWER OUTPUT ULTRAVIOLET LED (SiC).
- WATER CLEAR UV RESISTENT EPOXY PACKAGE.
- 5mm ALL RESIN MOLD.
- WIDE VIEWING ANGLE.

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

- POWER DISSIPATION..... 120 mW
  - PEAK FORWARD CURRENT..... 100 mA ;  $^\circ$
  - CONTINUOUS FORWARD CURRENT..... 30 mA
  - DERATING FACTOR ..... 0.40 mA/ $^\circ\text{C}$
  - REVERSE VOLTAGE..... 5 V
  - OPERATING TEMPERATURE..... ;  $25$  TO ;  $85$   $^\circ\text{C}$
  - STORAGE TEMPERATURE..... ;  $35$  TO ;  $100$   $^\circ\text{C}$
  - SOLDERING TEMPERATURE..... 260 $^\circ\text{C}$  / 5sec
- $^\circ$ Note: Duty Ratio = 1/16 ; A Pulse Width = 0.1ms

### ABSOLUTE OPTICAL CHARACTERISTIC $T_a = 25 \text{ } ^\circ\text{C}$

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT
Forward Voltage	$I_F = 20 \text{ mA}$ $V_F$		3.7	4.0	V
Radiant Flux	$I_F = 20 \text{ mA}$ $P$	6	10		mW
Peak Wavelength	$I_F = 20 \text{ mA}$ $\lambda_p$	390	395	400	nm
Halfwidth	$I_F = 20 \text{ mA}$ $\lambda_d$		26		nm
Reverse Current	$V_R = 5 \text{ V}$ $I_R$			100	$\mu\text{A}$
Viewing Angle	$2\theta$	1/2	30		deg

### OUTLINE DIMENSIONS Unit (mm)

Tolerance ( $\pm 0.25$ )

