

### FEATURE:

2003/6/17

- HIGHT POWER UV LED BY CREE UV CHIP (InGaN/SiC).
- WATER CLEAR PACKAGE.
- 10 m/m ALL ROUND RESIN MOLD.
- NARROW VIEWING ANGLE.
- UV RESISTENT EPOXY FOR OUTDOOR USE.

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

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

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

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

PARAMETER		SYMBOL	MIN	TYP	MAX	UNIT
Forward Voltage	IF= 20 mA	$V_F$		3.6	4.0	V
Optical Output Power	IF= 20 mA	$I_V$	12	25		mW
Peak Emission Wavelength	IF= 20 mA	$\lambda_p$	390		405	nm
Spectrum Radiation Bandwidth	IF= 20 mA	$\Delta\lambda$		15		nm
Reverse Current	VR= 5 V	$I_R$			50	$\mu\text{A}$
Viewing Angle		$2\theta_{1/2}$		8		deg

### OUTLINE DIMENSIONS Unit (mm)

Tolerance ( $\pm 0.25$ )

