

April 2, 2001

### FEATURE:

- SUPER LUMINOSITY YELLOW LED (All nGaP/GaAs).
- MILKY DIFFUSION PACKAGE.
- 10mm ALL RESIN MOLD.
- NARROW VIEWING ANGLE.
- UV RESISTENT EPOXY FOR OUTDOOR USE.

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

- POWER DISSIPATION..... 120 mW
- PEAK FORWARD CURRENT..... 150 mA ※
- CONTINUOUS FORWARD CURRENT..... 50 mA
- DERATING FACTOR ..... 0.40 mA/°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
- OPERATING HUMIDITY ..... 0 — 90%

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

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

PARAMETER		SYMBOL	MIN	TYP	MAX	UNIT
Forward Voltage	$I_F = 20\text{ mA}$	$V_F$		2.0	2.40	V
Luminous Intensity	$I_F = 20\text{ mA}$	$I_v$	2000	3000		mcd
Peak Emission Wavelength	$I_F = 20\text{ mA}$	$\lambda_p$		590		nm
Spectrum Radiation Bandwidth	$I_F = 20\text{ mA}$	$\Delta\lambda$		20		nm
Reverse Current	$V_R = 5\text{ V}$	$I_R$			50	$\mu\text{A}$
Viewing Angle		$2\theta$	1/2	10		deg

### OUTLINE DIMENSIONS Unit (mm)

Tolerance ( $\pm 0.25$ )

