

### FEATURE:

- SUPER LUMINOSITY ORANGE-RED LED BY 9MIL CHIP (AlInGaP/GaAs).
- WATER CLEAR 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..... 150 mA ;  $^\circ$
  - CONTINUOUS FORWARD CURRENT..... 50 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	$I_F = 20 \text{ mA}$	$V_F$		2.0	2.4	V
Luminous Intensity	$I_F = 20 \text{ mA}$	$I_v$	1200	1800		mcd
Peak Emission Wavelength	$I_F = 20 \text{ mA}$	$\lambda_p$		625		nm
Spectrum Radiation Bandwidth	$I_F = 20 \text{ mA}$	$\Delta \lambda$		20		nm
Reverse Current	$V_R = 5 \text{ V}$	$I_R$			100	$\mu\text{A}$
Viewing Angle		$2\theta$	1/2	23		deg

### OUTLINE DIMENSIONS Unit (mm)

Tolerance ( $\pm 0.25$ )

