

FEATURE:

- SUPER LUMINOSITY RED-ORANGE LED(AlInGaP/GaAs).
- WATER CLEAR PACKAGE.
- 5mm T-1 3/4 ALL ROUND RESIN MOLD.
- WIDE 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 -----150 mA ※
- CONTINUOUS FORWARD CURRENT -----50 mA
- DERATING FACTOR -----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
- 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		1.90	2.40	V
Luminous Intensity	IF= 20 mA	I_V	680		1500	mcd
Domain Emission Wavelength	IF= 20 mA	λ_d		625		nm
Spectrum Radiation Bandwidth	IF= 20 mA	$\Delta\lambda$		20		nm
Reverse Current	VR= 5 V	I_R			50	μA
Viewing Angle		$2\theta_{1/2}$		30		deg

OUTLINE DIMENSIONS Unit (mm)

Tolerance (± 0.25)

