



# LT4P13-A8-UR91

# 2.2X3.0MM SMT LED LAMP (PLASTIC HOLDER WITH AXIAL LEADS)

## Features

- \* LOW CURRENT REQUIREMENTS
- \* HIGH LIGHT OUTPUT
- \* RELIABLE AND RUGGEN
- \* IC COMPATIBLE

## Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

REVERSE VOLTAGE ( $<100 \mu\text{A}$ ).....	4.0 V
D.C. FORWARD CURRENT.....	30 mA
PULSE CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH).....	100 mA
OPERATING TEMPERATURE RANGE.....	-25°C TO +85°C
STORAGE TEMPERATURE RANGE.....	-25°C TO +100°C
LEAD SOLDERING TEMP. (1.6mm FROM BODY).....	260°C FOR 5 SEC.

## Electrical/optical characteristics at $T_A=25^\circ\text{C}$

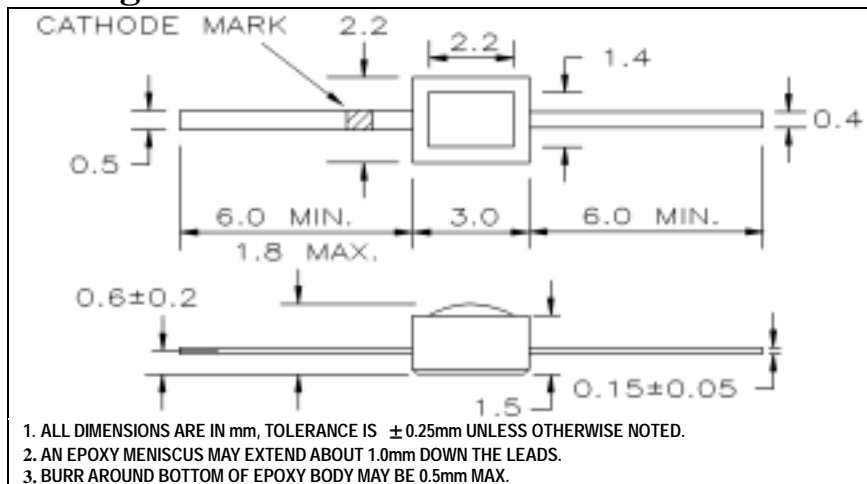
PART NUMBER	LED CHIP		LENS COLOR	WAVELENGTH TYP. $I_f @ 20\text{mA}$ (nm)		FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE $2\theta_{1/2}$ (deg)
	MATERIAL	EMITTING COLOR		$\lambda_p$	$\lambda_d$	TYP.	MAX.	MIN.	TYP.	
LT4P13-A8-UR91	AlGaInP	HYPER RED	W.C.	632±5	625±5	2.1	2.4	30	50	72

(1) LENS COLOR  
W.C.....WATER CLEAR

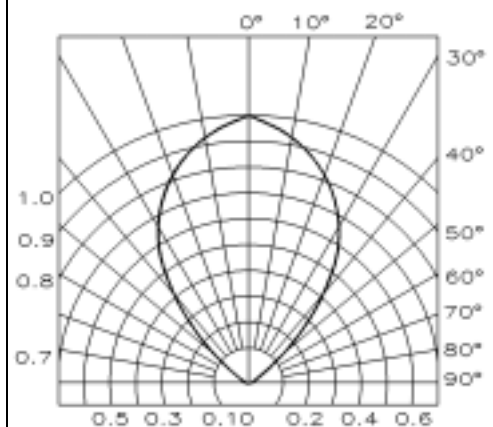
(2) SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

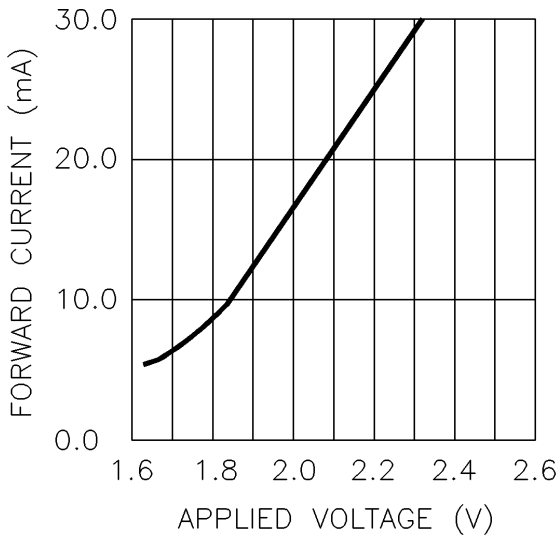
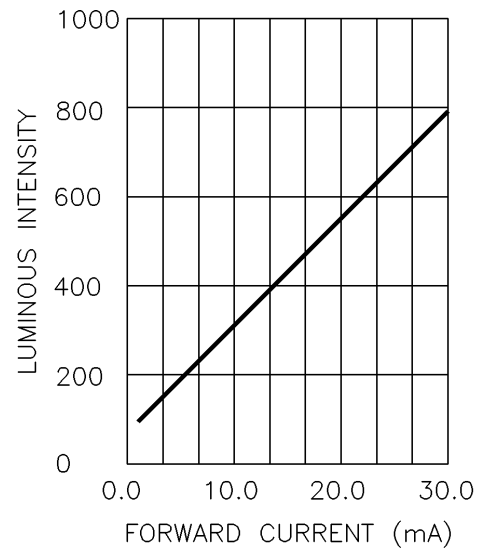
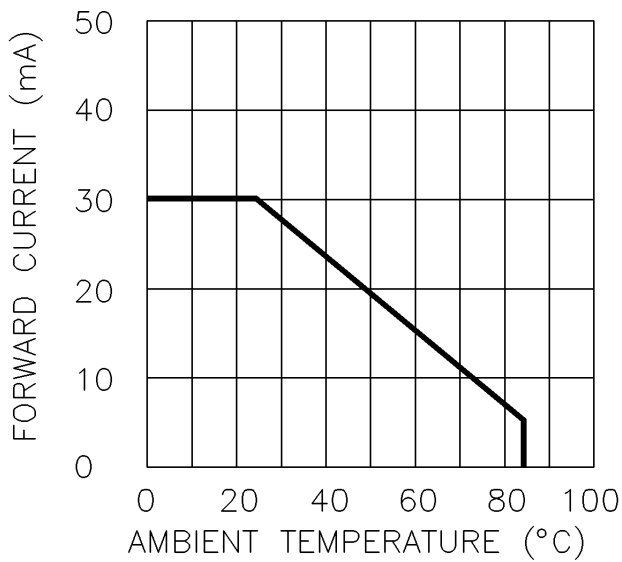
(3) ALL ABOVE COMPONENTS ARE CONSIDERED. DEVIATIONS FROM STATED SPECIFICATIONS WILL REQUIRE A NEW PART NUMBER BE ASSIGNED.

## Package Dimensions



## Radiation Pattern



**Forward Current vs. Applied Voltage****Luminous Intensity vs. Forward Current****Forward Current vs. Ambient Temperature****Relative Intensity vs. Wavelength**