



Features

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

Absolute Maximum Ratings at T_A=25°C

REVERSE VOLTAGE (<100 μ 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°C

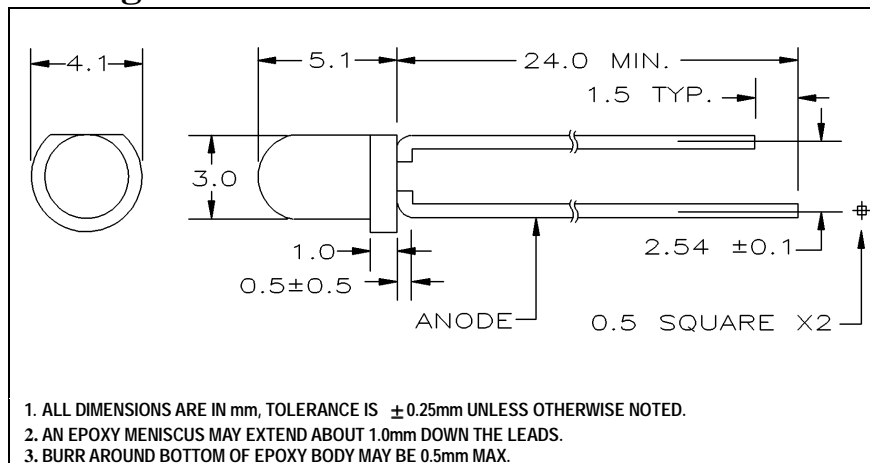
PART NUMBER	LED CHIP		LENS COLOR	WAVELENGTH TYP. I _F @20mA (nm)		FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE 2 θ 1/2 (deg)
	MATERIAL	EMITTING COLOR		λ p	λ d	TYP.	MAX.	MIN.	TYP.	
LT0313-41-UC9T	AlGaInP	ULTRABRIGHT RED	W.C.	642 ± 5	630 ± 5	2.2	2.8	1000	1800	30

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

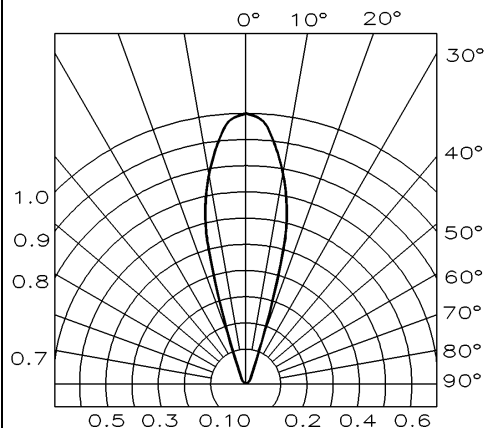
(2) SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

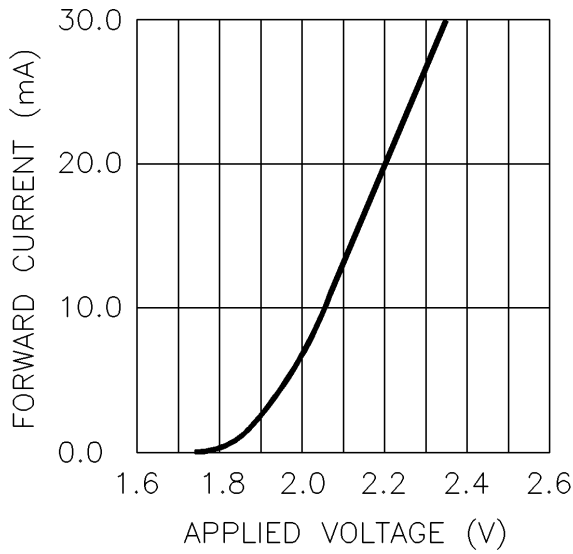
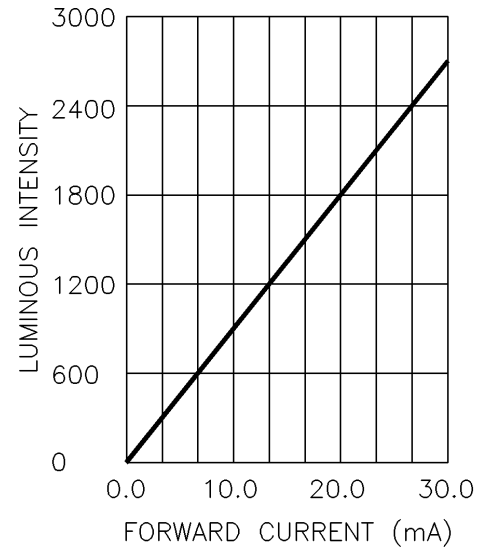
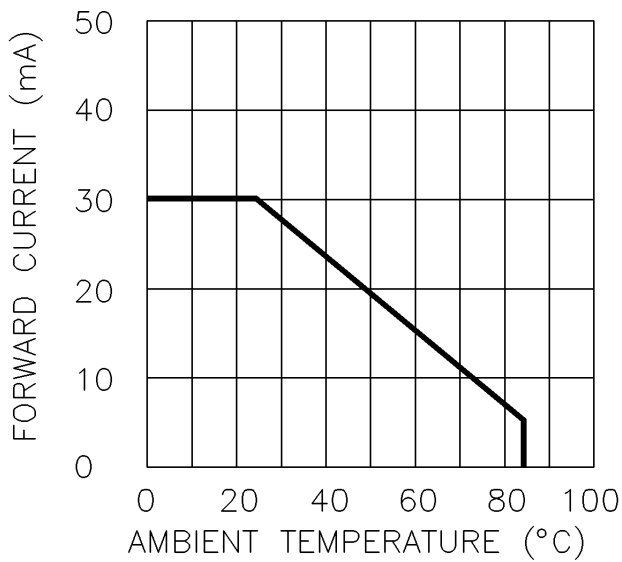
(3) ALL ABOVE COMPONENTS ARE CONSIDERED. DEVIATIONS FROM STATED SPECIFICATIONS WILL REQUIRE A NEW PART NUMBER BE ASSIGNED.

Package Dimensions



Radiation Pattern



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