LT18A1-81-UBC1 5.0MM ROUND LAMP

Features

* LOW CURRENT REQUIREMENTS
* HIGH LIGHT OUTPUT
* RELIABLE AND RUGGED
* IC COMPATIBLE

Absolute Maximum Ratings at T_A=25℃

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

Electrical/Optical Characteristics at T_A=25℃

PART NUMBER	LED CHIP		LENS COLOR	WAVELENGTH TYP. I_F @20mA (nm)		FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE $2\theta_{1/2}$ (deg)
	MATERIAL	EMITTING COLOR		λ p	λ d	TYP.	MAX.	MIN.	TYP.	
LT18A1-81-UBC1	AlGaInP	AMBER	A.D.	610 ± 5	605 ± 5	2.1	2.4	350	600	25

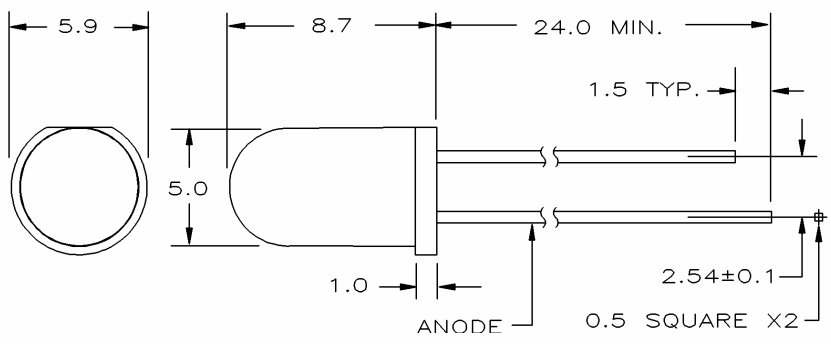
(1) LENS COLOR

A.D….AMBER DIFFUSED

(2) SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

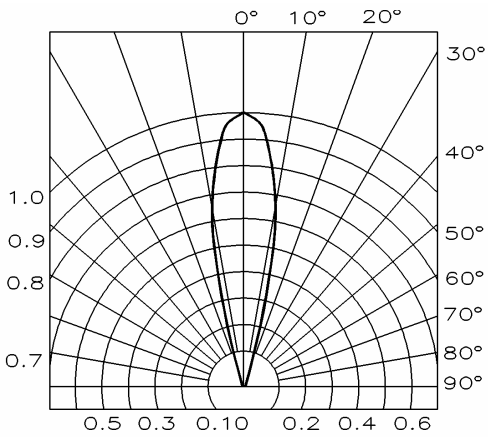
(3) ALL ABOVE COMPONENTS ARE CONSIDERED . DEVIATIONS FROM STATED SPECIFICATIONS WILL REQUIRE A NEW PART NUMBER BE ASSIGNED .

Package Dimensions

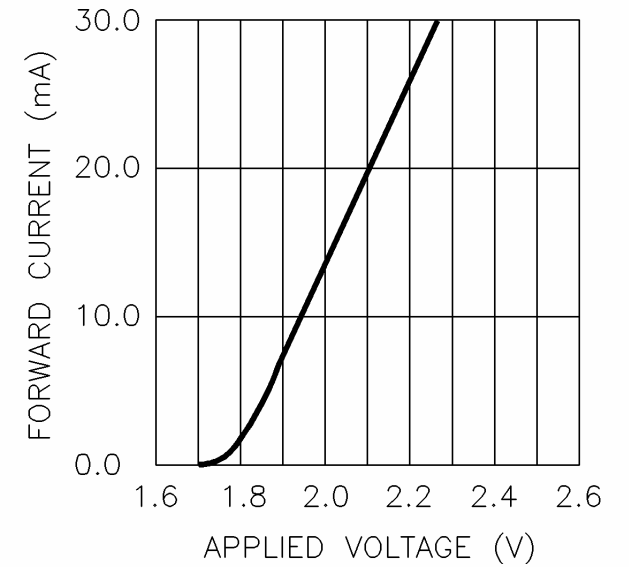


1. ALL DIMENSIONS ARE IN mm, TOLERANCE IS ± 0.25mm UNLESS OTHERWISE NOTED.
2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.0mm DOWN THE LEADS.
3. BURR AROUND BOTTOM OF EPOXY BODY MAY BE 0.5mm MAX.

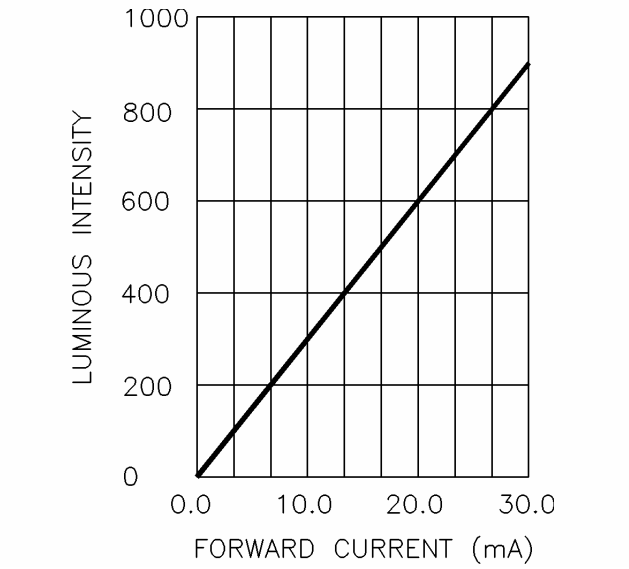
Radiation Pattern



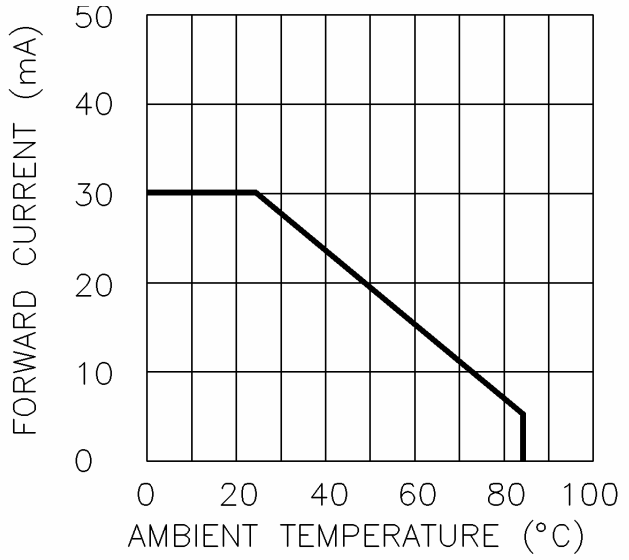
Forward Current vs. Applied Voltage



Luminous Intensity vs. Forward Current



Forward Current vs. Ambient Temperature



Relative Intensity vs. Wavelength