



# LT03B3-41-M1A2

# 3.0MM ROUND LAMP BLUE

## Features

- GaN TECHNOLOGY
- HIGH POWER OUTPUT
- 20 DEGREE VIEW ANGLE FOR MAXIMUM LIGHT OUTPUT

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

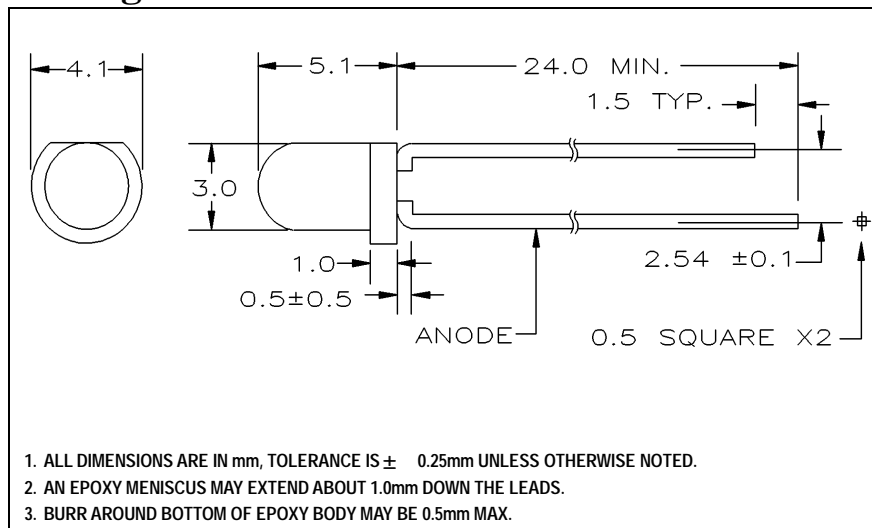
REVERSE VOLTAGE (<math><50 \mu\text{A}</math>)	5.0V
D.C. FORWARD CURRENT	20mA
PULSE CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	100 mA
OPERATING TEMPERATURE RANGE	-25°C TO +85°C
STORAGE TEMPERATURE RANGE	-25°C TO +100°C
LEAD SOLDERING TEMP. (1.6mm FROM BODY)	260°C FOR 5 SEC.

## Electrical/Optical Characteristics at $T_A=25^\circ\text{C}$

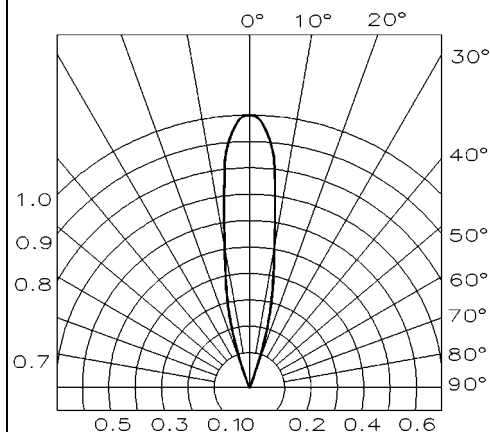
PART NUMBER	LED CHIP		LENS COLOR	WAVELENGTH TYP. $I_F @ 20\text{mA}$ (nm)		FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE $2\theta_{1/2}$ (deg)
	MATERIAL	EMITTING COLOR		$\lambda_p$	$\lambda_d$	TYP.	MAX.	MIN.	TYP.	
LT03B3-41-M1A2	GaN	BLUE	W.C.	$430 \pm 10$	$460 \pm 10$	3.8	4.5	100	150	20

- (1) Lens Color:  
W.C....Water Clear
- (2) Specifications are subject to change with out notice.
- (3) All above components are considered; deviations from stated specifications will require a new part number to be assigned.
- (4) Electrostatic Discharge Threshold (HBM): 500V

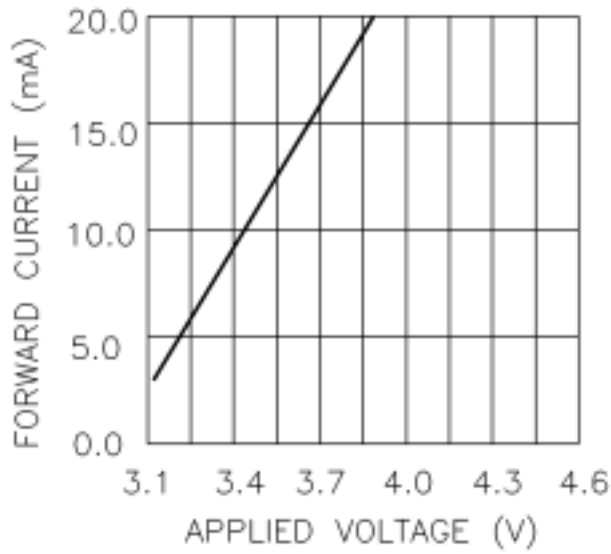
## Package Dimensions



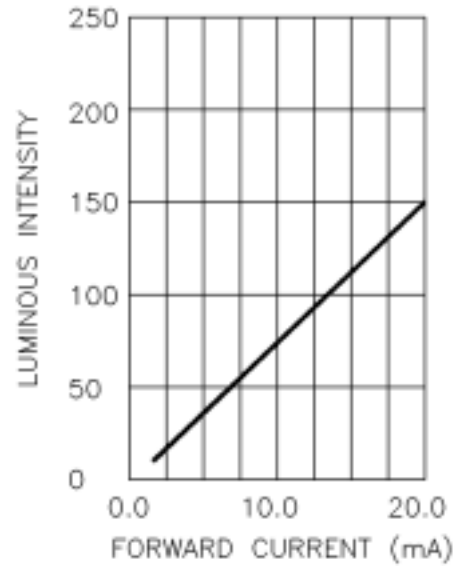
## Radiation Pattern



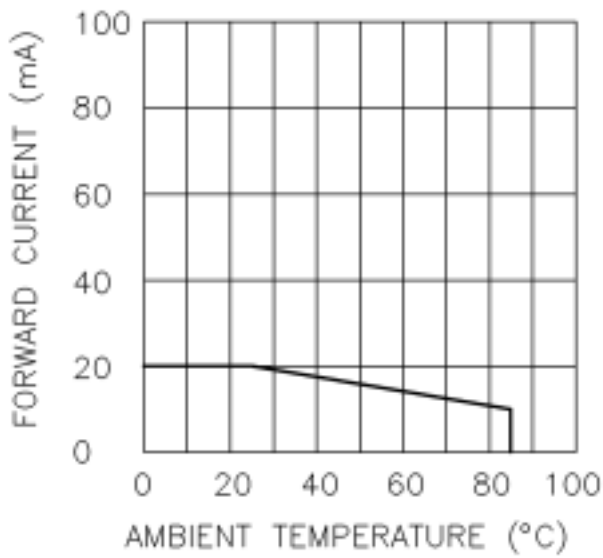
**Forward Current vs. Applied Voltage**



**Luminous Intensity vs. Forward Current**



**Forward Current vs. Ambient Temperature**



**Relative Intensity vs. Wavelength**

