



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 ($<50\mu\text{A}$).....	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 $+85^{\circ}\text{C}$
STORAGE TEMPERATURE RANGE.....	-25°C TO $+100^{\circ}\text{C}$
LEAD SOLDERING TEMP. (1.6mm FROM BODY).....	260°C FOR 5 SEC.

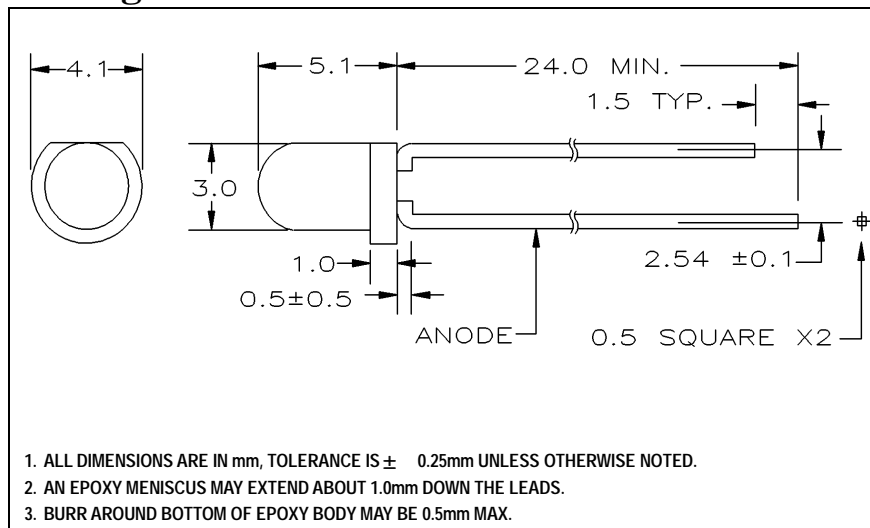
Electrical/Optical Characteristics at $T_A=25^{\circ}\text{C}$

PART NUMBER	LED CHIP		LENS COLOR	WAVELENGTH TYP. I _F @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.	
LT03B3-41-M1A2	GaN	BLUE	W.C.	430 ± 10	460 ± 10	3.8	4.5	100	150	20

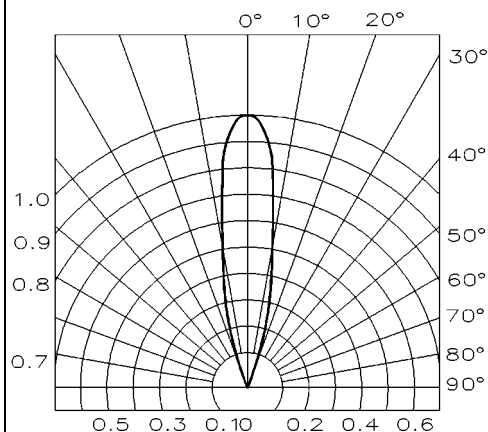
(1) Lens Color:
W.C....Water Clear

- (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

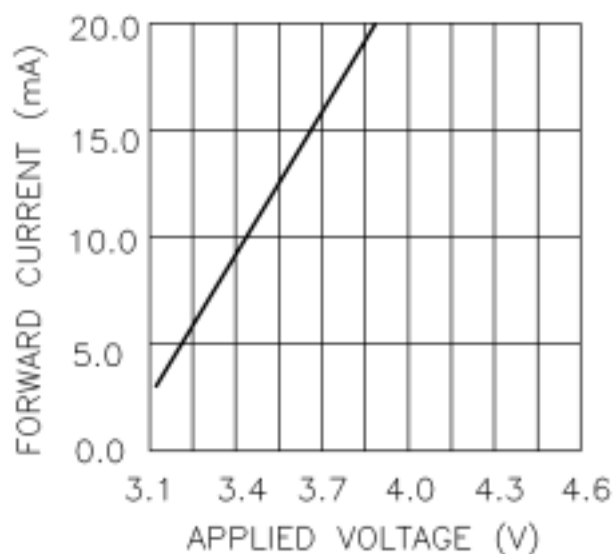
Package Dimensions



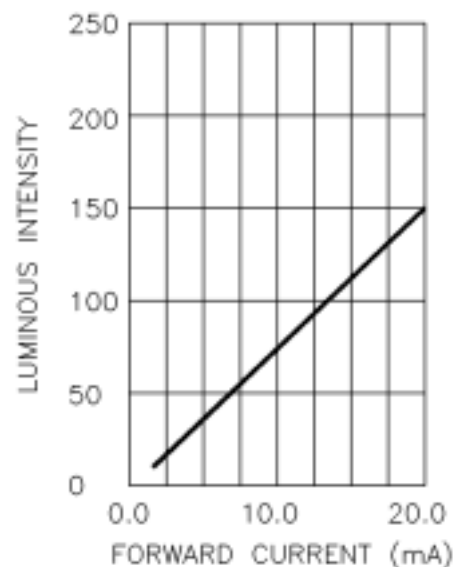
Radiation Pattern



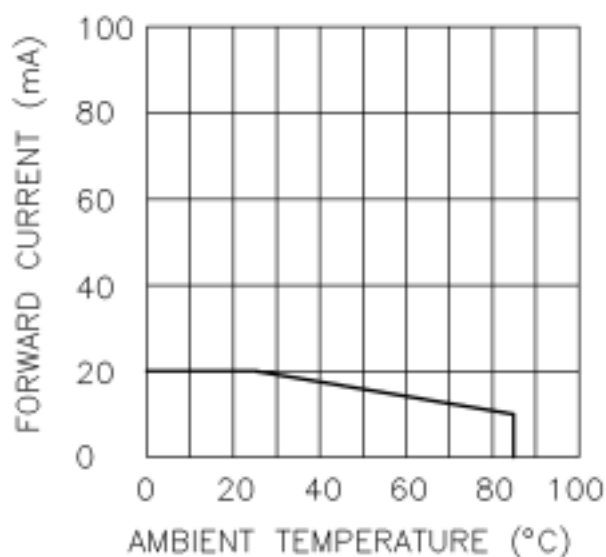
Forward Current vs. Applied Voltage



Luminous Intensity vs. Forward Current



Forward Current vs. Ambient Temperature



Relative Intensity vs. Wavelength

