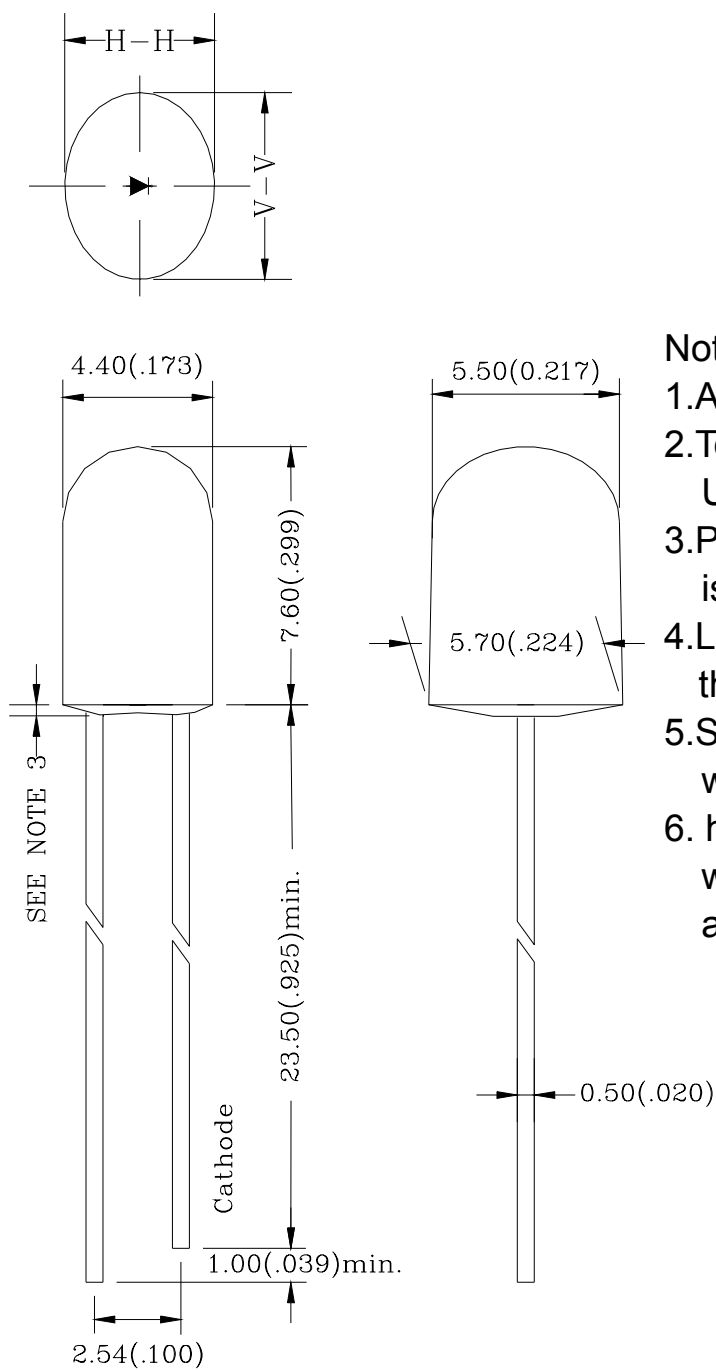


5.5*4.4 mm DIA ELLIPSE LED LAMP

PACKAGE DIMENSIONS

LED-220-45216



Note:

1. All Dimensions are in millimeters.
2. Tolerance is $\pm 0.25\text{mm}(0.010 \text{ "})$ Unless otherwise specified.
3. Protruded resin under flange is $1.5\text{mm}(0.059 \text{ "})$ max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specification are subject to change without notice
6. highlight $<-400\text{V}$ the led can withstand the max static level when assembling or operation.

5.5*4.4 mm DIA ELLIPSE LED LAMP

FEATURES

- * SUITABLE HIGH PULSE CURRENT OPERATION
- * EXTRA HIGH RADIANT POWER AND RADIANT INTENSITY
- * HIGH RELIABILITY
- * LOW FORWARD VOLTAGE

CHIP MATERIALS

- * Dice Material : GaInN/GaN
- * Light Color : ULTRA PURE GREEN
- * Lens Color : WATER CLEAR

ABSOLUTE MAXIMUM RATING:(Ta=25°C)

SYMBOL	DESCRIPTION	ULTRA PURE GREEN	UNIT
PAD	Power Dissipation Per Chip	120	mW
VR	Reverse Voltage Per Chip	5	V
IF	Average Forward Current Per Chip	30	mA
-	Derating Linear From 25°C Per Chip	0.4	mA/°C
Topr	Operating Temperature Range	-25°C to 85°C	
Tstg	Storage Temperature Range	-40°C to 85°C	
Lead Soldering Temperature { 1.6mm(0.063 inch) From Body } 260°C±5°C For 5 Seconds			

ELECTRO-OPTICAL CHARACTERISTICS:(Ta=25°C)

SYMBOL	DESCRIPTION	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
VF	Forward Voltage	IF = 20mA		3.7	4.0	V
IR	Reverse Current	VR = 5V			100	μA
λD	Dominant Wavelength	IF = 20mA		528		nm
Δλ	Spectral Line Half-Width	IF = 20mA		22		nm
2θ1/2	Half Intensity Angle(H/V)	IF = 20mA		20/55		deg
IV	Luminous Intensity	IF = 20mA		7000		mcd

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