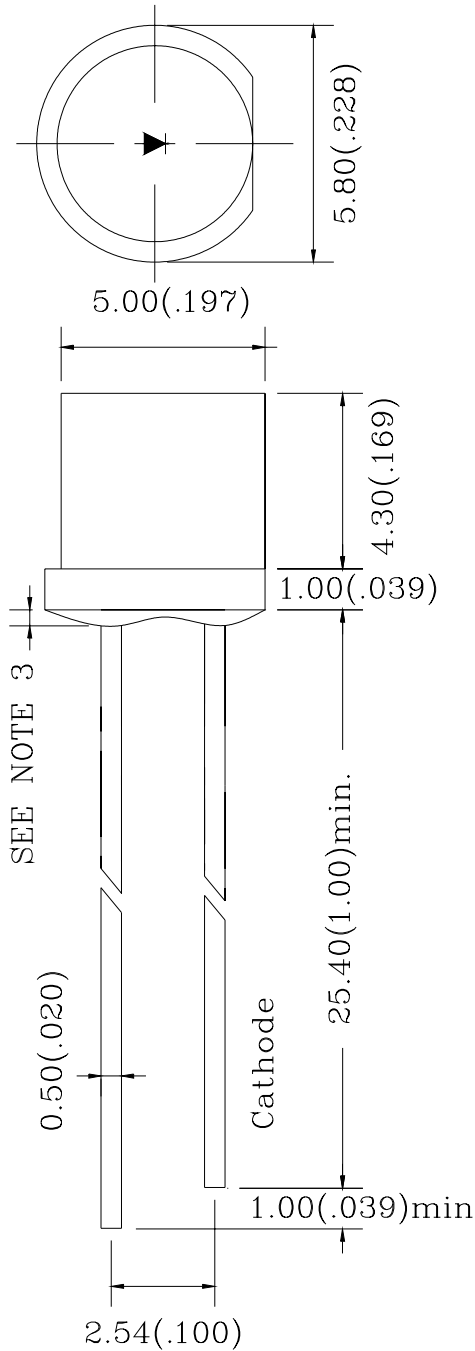


5.0 mm DIA CYLINDRICAL LED LAMP

HH-5GC-100

REV:A / 1

PACKAGE DIMENSIONS



Note:

1. All Dimensions are in millimeters.
2. Tolerance is $\pm 0.25\text{mm}$ (0.010 ") Unless otherwise specified.
3. Protruded resin under flange is 1.5mm (0.059 ") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specification are subject to change without notice

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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	80	mW
VR	Reverse Voltage Per Chip	5	V
IF	Average Forward Current Per Chip	20	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		3.2		V
IR	Reverse Current	VR = 5V			100	µA
λD	Dominant Wavelength	IF = 20mA		525		nm
Δλ	Spectral Line Half-Width	IF = 20mA		22		nm
2θ1/2	Half Intensity Angle	IF = 20mA		100		deg
IV	Luminous Intensity	IF = 20mA		900		mcd

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