

5W4HCA-H30

Super Bright White LED

Features

high intensity LED lamp
5 mm round epoxy package
UV resistant epoxy for outdoor use

Applications

indicators
illumination

Absolute Maximum Ratings (Ta = 25 °C)

Parameter	Symbol	Max	Unit
Power Dissipation	P _d	100	mW
Peak Forward Current *)	I _{FP}	80	mA
Continuous Forward Current	I _F	30	mA
Reverse Voltage	V _R	5	V
Operating Temperature Range	T _{opr}	-30 to +80 °C	
Storage Temperature Range	T _{stg}	T _{stg} -40 °C to +100 °C	
Lead Soldering Temperature **)	T _{sol}	260	°C

*) Duty cycle max. 1/10, Pulse Width max. 0.1 ms

**) At the position of 4 mm from the bottom of the package within 5 seconds

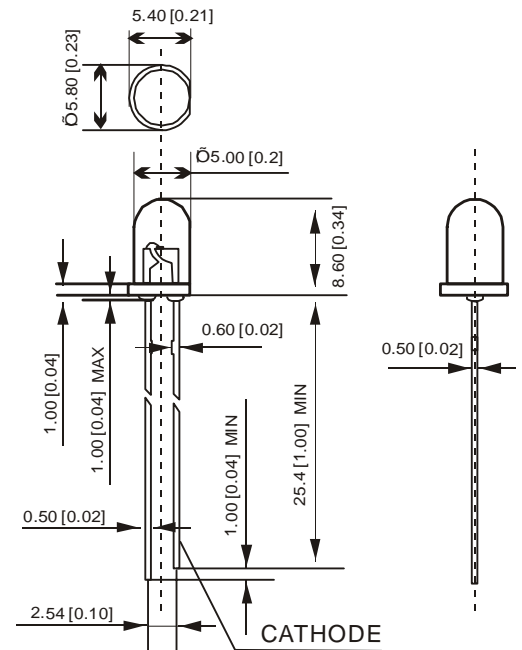
Electrical Optical Characteristics (Ta = 25 °C @ I_f = 20 mA)

Part No.	Material	Lens	Emitting Color	Forward Voltage (V)		Luminous Intensity (mcd)		Chromaticity Coordinate (x/y)	Viewing Angle (2θ1/2)
				Typ	Max	Min	Max		
5W4HCA-H30	InGaN	Water Clear	White	3.2	3.6	25000	30000	0.32/0.30	20

Caution in ESD

- 1.Static electricity and surge damages the LEDs. It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs. All devices and equipment and machinery must be properly grounded.
- 2.When inspecting own final products on which LEDs were mounted, It is easy to find static-damaged LEDs by light emission test at lower current (below 1 mA is recommended) .
- 3.Damaged LEDs will show some unusual characteristics such as leak current remarkably increases, starting forward voltage becomes lower, or the LEDs get unlighted at the low current.

Package Dimensions



Unit: mm[inches]

Tolerance: ±0.25mm0.01]