ROITHNER LASERTECHNIK
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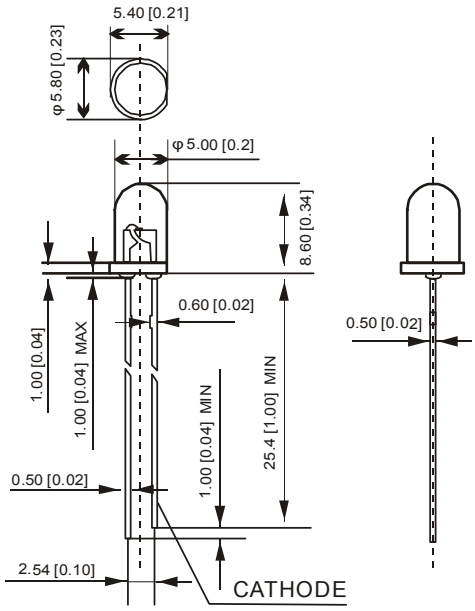
Features

- High intensity LED lamp;
- φ5mm round shape;
- UV resistant epoxy for outdoor use;

Applications

- Indicators;
- Illumination;

Package Dimensions



Unit: mm[inches]
Tolerance: ± 0.25mm0.01]

Absolute Maximum Ratings (Ta=25℃)

Parameter	Symbol	Max	Unit
Power Dissipation	P_D	100	mW
Peak Forward Current*	I_{FP}	80	mA
Continuous Forward Current	I_F	**30**	**mA**
Derating Linear From 50□		0.4	mA/□
Reverse Voltage	V_R	5	V
Operating Temperature Range	Topr	-30 to +80 □	
Storage Temperature Range	Tstg	Tstg -40 □ to +100□	
Lead Soldering Temperature□	Tsol	260	□

* Duty ratio max 1/10 Pulse Width max. 0.1ms;

△ At the position of 4mm from the bottom of the package within 5 seconds.

Electrical Optical Characteristics (Ta=25℃) @ IF=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-H20-16	InGaN	Water Clear	White	3.0	3.6	18000	26000	0.32/0.30	20
5W4HCA-H30-16	InGaN	Water Clear	White	3.0	3.6	12000	17000	0.32/0.30	30
5W4HCA-H20-17	InGaN	Water Clear	White	3.0	3.6	25000	33000	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 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 1mA 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.