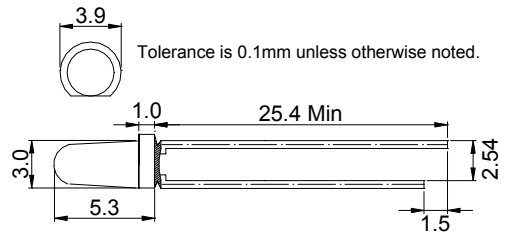


**ROITHNER
LASERTECHNIK**

**Product Specification
Device Part No:HUWH-3101L**

Features :

- Lighting color : WHITE
- Lens Type : WATER CLEAR
- Device Outline : $\Phi 3\text{mm}$ Round Type



Absolute Maximum Ratings

($T_a = 25^\circ\text{C}$)

Series	Symbol	Testing Condition	Characteristics		Unit
			Max.	Min.	
Power Dissipation	P_d	—	100	—	mW
Reverse Voltage	V_R	$I_R = 20 \mu\text{A}$	—	5	V
Peak Forward Current	I_{peak}	Duty=0.1 , 1kHz	120	—	mA
Derating Linear	I/C	—	0.4	—	mA/ $^\circ\text{C}$
Operating Temperature Range	T_{opr}	—	+80	-25	$^\circ\text{C}$
Storage Temperature Range	T_{str}	—	+100	-40	$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	260 $^\circ\text{C}$ for 5sec. (3.0mm from resin)			

Electro-Optical Characteristics

($T_a = 25^\circ\text{C}$)

Series	Symbol	Testing Condition	Characteristics			Unit
			Min.	TYP.	Max.	
Forward Voltage	V_F	$I_F = 2\text{mA}$	3.40	3.70	4.30	V
Reverse Current	I_R	$V_R = 5\text{V}$	—	—	50	μA
Peak Emission Wavelength	λ_p	$I_F = 2\text{mA}$	—	468	—	nm
Spectrum Width of Half Value	$\Delta \lambda$	$I_F = 2\text{mA}$	—	20	—	nm
Luminous Intensity Angle	$2\phi_{1/2}$	$I_F = 2\text{mA}$	—	35	—	$^\circ$
Luminous Intensity	I_v	$I_F = 2\text{mA}$	—	1000	1500	mcd

Remarks : Luminous Intensity is measured by JF-II tester.