



LWH05AF-15

LIGHT EMITTING DIODE

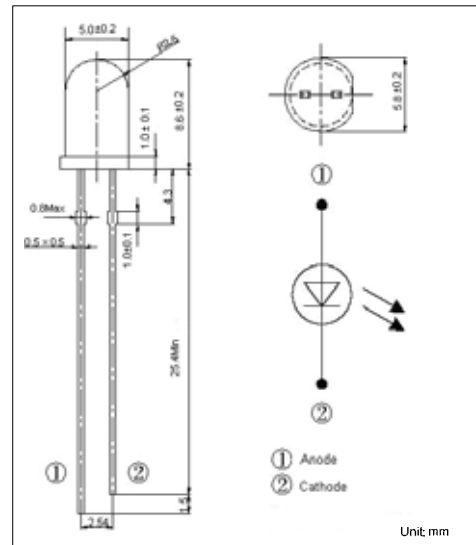
LED LAMP

DESCRIPTION

15 Degree 5mm Round LED Lamp in White Color with Water Clear Lens and Stopper. Dice Material: AlGaInP

APPLICATION

- * Advertising Signs
- * Indicators
- * Automotive Lighting



ORDERING INFORMATION

Ordering Number
LWH05AF-15

<p>L W H 0 5 A F - 1 5</p> <p>(1)View Angle</p> <p>(2)Package Outline</p> <p>(3)Encapsulate Type</p> <p>(4)Diameter of Lamp</p> <p>(5)Color Type</p> <p>(6)Product Type</p>	<p>(1) 15: 15°±3°</p> <p>(2) F: Round with Brim</p> <p>(3) A: Colorless Transparent</p> <p>(4) 05: Φ5</p> <p>(5) WH: White</p> <p>(6) L: Lamp</p>
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■ ABSOLUTE MAXIMUM RATINGS (Ta=25)

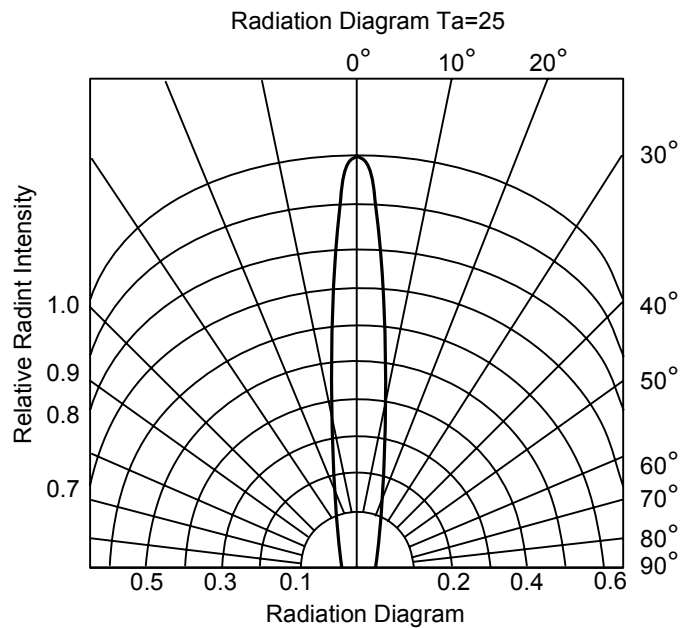
PARAMETER	SYMBOL	RATINGS	UNIT
Forward Current	I_F	30	mA
Peak Forward Current	I_{fp}	90	mA
Power Dissipation	P_D	120	mW
Reverse Voltage	V_r	5	V
Lead Soldering Temperature	T_{sol}	260(for 5seconds)	
Operating Temperature	T_{OPR}	-40 ~ +85	
Storage Temperature	T_{STG}	-40 ~ +100	

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged.
Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ ELECTRICAL OPTICAL CHARACTERISTICS

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Luminous Intensity	IV	$I_F=20mA$	8000		10000	mcd
			10000		12000	
			12000		15000	
			15000		18000	
			18000		21000	
Viewing Angle	2θ1/2	$I_F=20mA$		15		deg
Forward Voltage	V_F	$I_F=20mA$	3.1		3.3	V
Reverse Current	I_R	$V_R=5V$			50	μA
Chromaticity Coordinates	X	$I_F=20mA$		0.29		
	Y	$I_F=20mA$		0.30		

■ TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES



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