215UWC

Technical Data Sheet (Preliminary)
Side View White LED (0.8mm)

Features

* Side view white LED.
* White SMT package.
* Lead frame package with individual 2 pins.
* Wide viewing angle.
* Soldering methods: IR reflow soldering.
* Feature of the device: more light due to higher optical efficiency; extremely wide viewing angle; ideal for backlighting and coupling in light guides

Descriptions

* Due to the package design, 215 has wide viewing angle , low power consumption ideal for light guide application.

Applications

* Amusement equipment.
* PDA , Cell phone, Digital Camera backlight and light source.

Device Selection Guide

Chip		
Material	Emitted Color	Lens Color
InGaN	White	Water Clear

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Absolute Maximum Ratings (Ta=25℃)

Parameter	Symbol	Rating	Unit
Reverse Voltage	V_R	5	V
Operating Temperature	Topr	-40～+85	℃
Storage Temperature	Tstg	-40～+100	℃
Soldering Temperature	Tsol	260 (for 5 second)	℃
Electrostatic Discharge	ESD	150	V
Power Dissipation	Pd	110	mW
Forward Current	I_F	25	mA
Peak Forward Current(Duty 1/10 @ 1KHz)	I_F(Peak)	100	mA

Electro-Optical Characteristics (Ta=25℃)

Parameter	Symbol	Rank	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	T	720	860	1000	mcd	I_F=20mA
		S	500	600	720		I_F=20mA
		R	360	430	500		I_F=20mA
Viewing Angle	$2\theta_{1/2}$	-----	-----	110	-----	deg	I_F=20mA
Forward Voltage	V_F	-----	-----	3.5	4.0	V	I_F=20mA
Reverse Current	I_R	-----	-----	-----	50	uA	V_R=5V

Notes:

*The luminous intensity data did not including ± 15% testing tolerance.

*Tolerance of forward voltage ± 0.1V.

The products are sensitive to static electricity and care must be fully taken when handling products.

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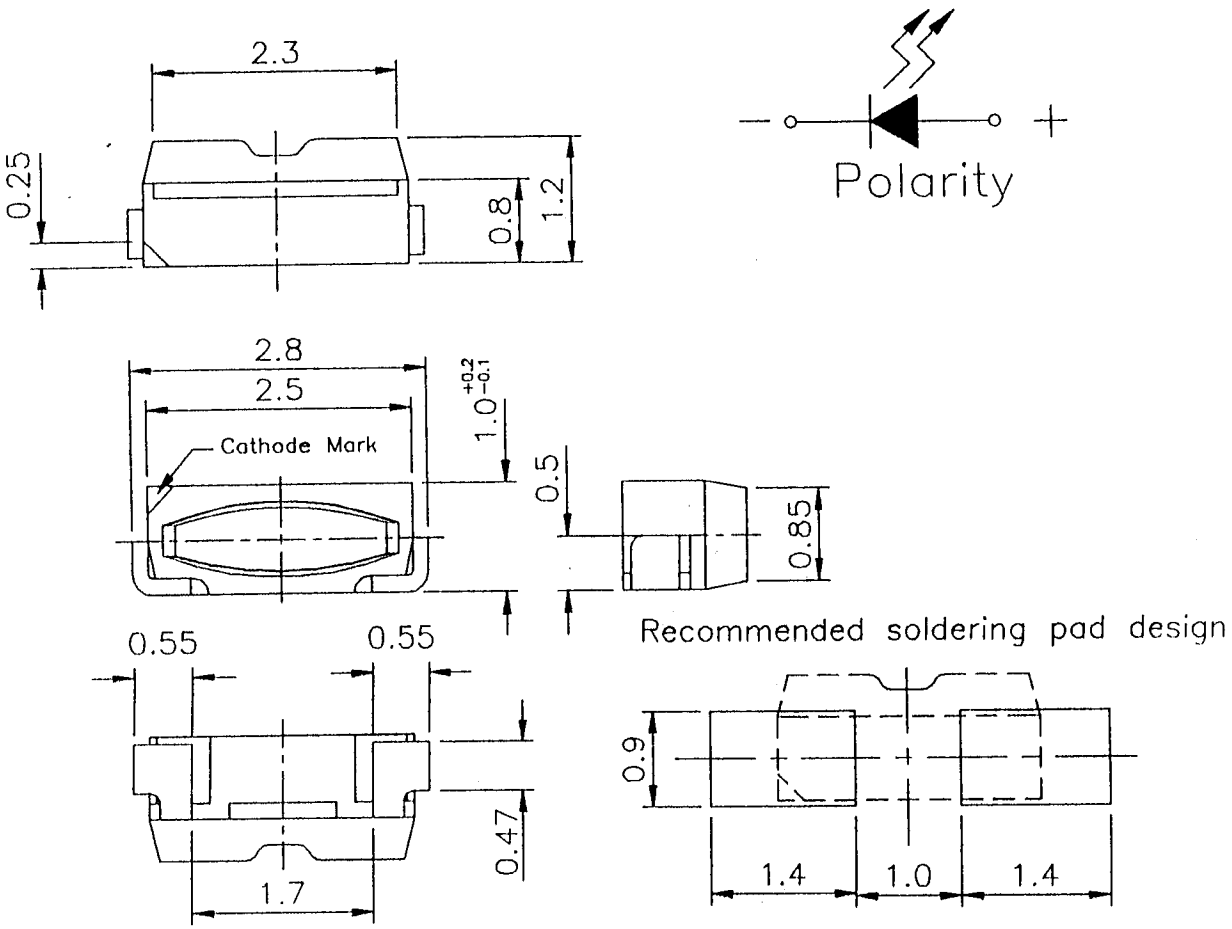
Package Dimensions



Notes: Tolerance Unless Dimension ± 0.1mm , Angle± 0.5° ,Unit = mm