

**RoHS
Compliant**



Specifications

Dice Material	: InGaN
Emitted Colour	: White
Lens Colour	: Water Clear
Viewing Angle	: 130 Deg.
Luminous Intensity (IV)	: 600 mcd

Electrical / Optical Characteristics at T_A = 25°C

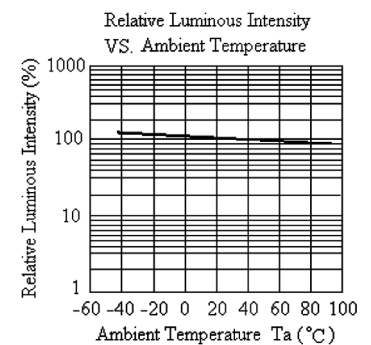
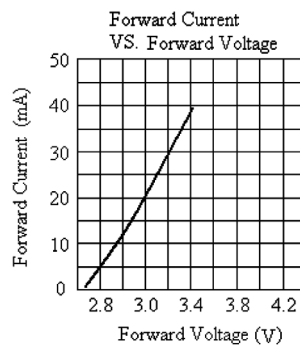
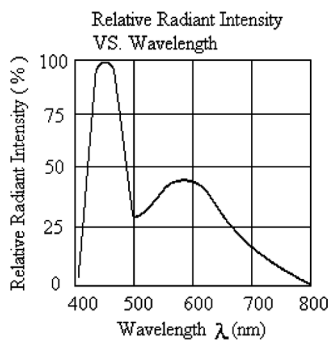
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test
Luminous Intensity	IV	500	600	720	mcd	IF = 20mA
Viewing Angle	2θ1/2		130		Deg.	
Chromaticity Coordinate	X	0.26	0.31	0.37	nm	
Chromaticity Coordinate	Y	0.24	0.33	0.39	nm	
Forward Voltage	VF	3	3.1	3.5	V	
Power Dissipation	Pd			85	mW	
Peak Forward Current (Duty 1/10 @ 1kHz)	IF (Peak)			100	mA	
Recommended Operating Current	IF (Rec)		20		mA	

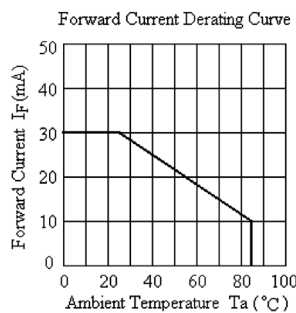
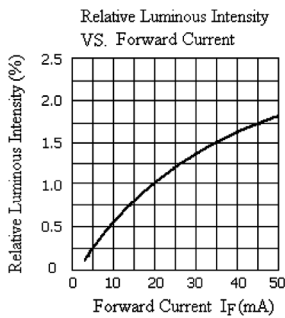
Absolute Maximum Ratings (T_A = 25°C)

Reverse Voltage	: 5 Volt
Reverse Current	: 10µA (VR = 5V)
Electrostatics Discharge (ESD)	: 200 Volt
Operating Temperature Range	: -40°C to +85°C
Storage Temperature Range	: -40°C to +100°C
Lead Soldering Temperature Range	: 260°C For 5 Seconds (1.6mm (1/16 inch) from body)

Typical Electro-Optical Characteristics Curves

(T_A = 25°C Ambient temperature unless otherwise noted)

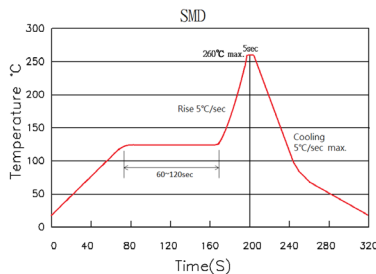




Soldering

Recommended soldering condition as shown below:

Reflow Temperature/Time (SMD)

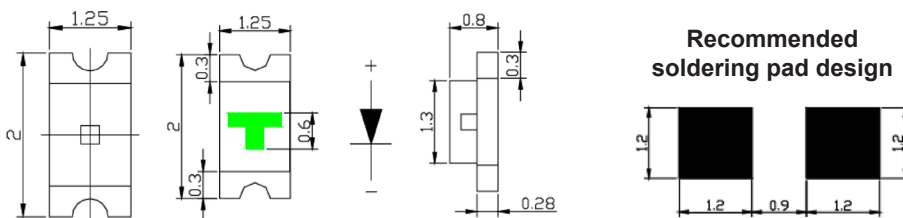


Soldering Iron

Temperature at tip of iron: 350°C Max.

Soldering Time: 3 sec. \pm 1 sec. (one time only) If temperature is higher, time should be shorter

Diagram



Dimensions : Millimetres

Part Number Table

Description	Part Number
0805 SMD Chip LED, White, Water Clear Lens, 130°	MP000441

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