

SMD Chip LED

3528, White

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RoHS
Compliant



Specifications

Dice material	: InGaN
Emmiting Colour	: White
Lens colour	: Water Clear
Viewing angle	: 120°
Luminous intensity (IV)	: 2050mcd

Electrical and Optical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test
Luminous Intensity	Iv	1650	2050	2500	mcd	IF = 20mA
Viewing Angle	2θ1/2		120		deg	
Chromaticity Coordinate	X		0.38		nm	
Chromaticity Coordinate	Y					
Forward Voltage	VF	2.9	3.2	3.6	V	
Power Dissipation	Pd			85	mW	
Peak Forward Current Duty1/10 @ 1kHz	IF (Peak)			100	mA	
Recommended Operating Current	IF (Rec)		20			

Absolute Maximum Ratings at Ta=25°C

Reverse Voltage	5 Volt
Reverse Current	10 uA (VR=5V)
Electrostatic Discharge (ESD)	200 Volt
Operating Temperature Range	-40°C to 85°C
Storage Temperature Range	-40°C to 85°C
Lead Soldering Temperature Range [1.6mm (1/16 inch) from body]	260°C for 5 Seconds

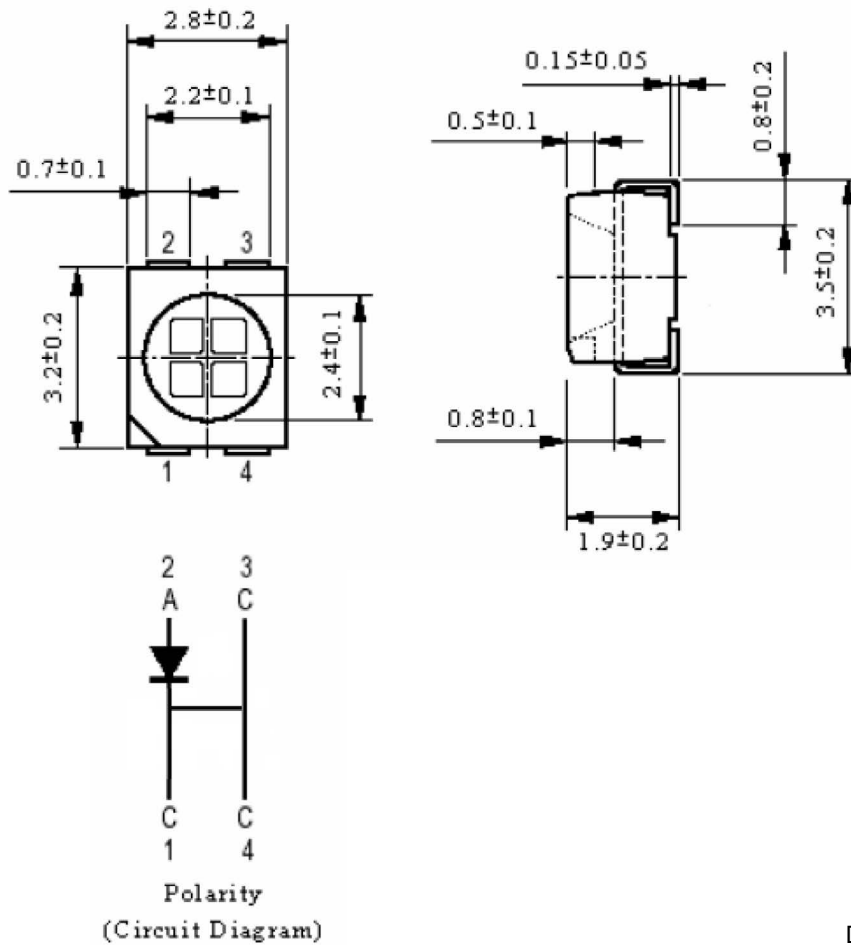
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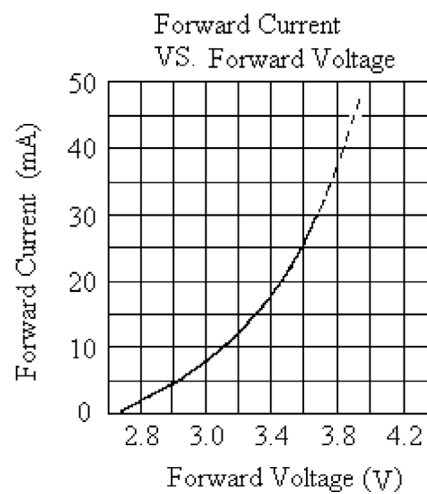
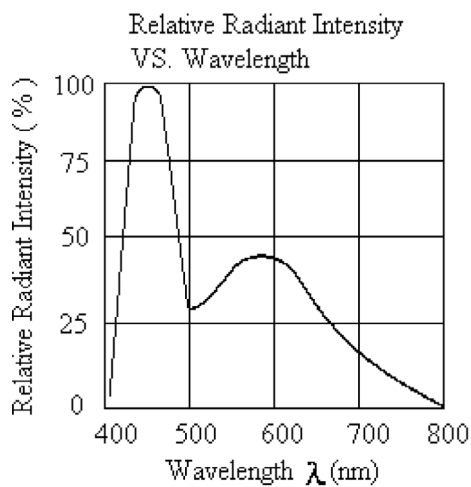
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Dimensions



Dimensions : Millimetres

Typical Electrical/ Optical Characteristics Curves



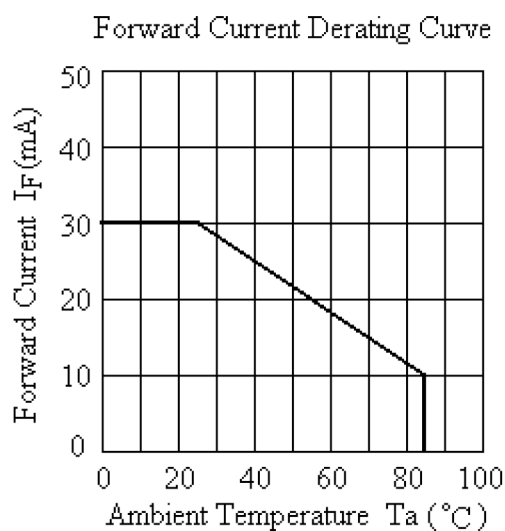
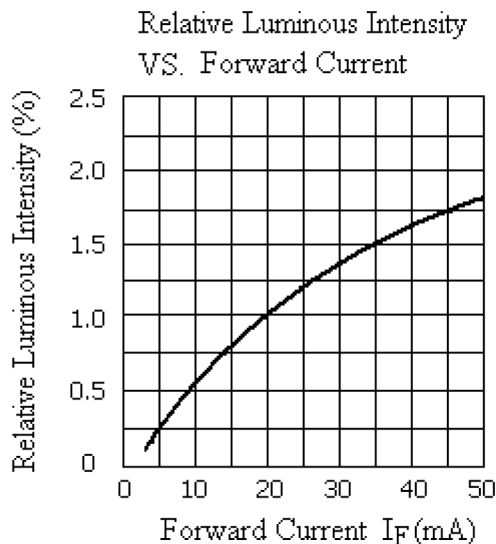
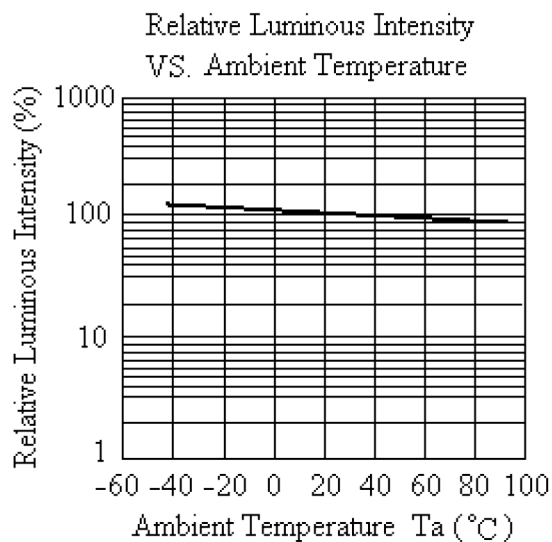
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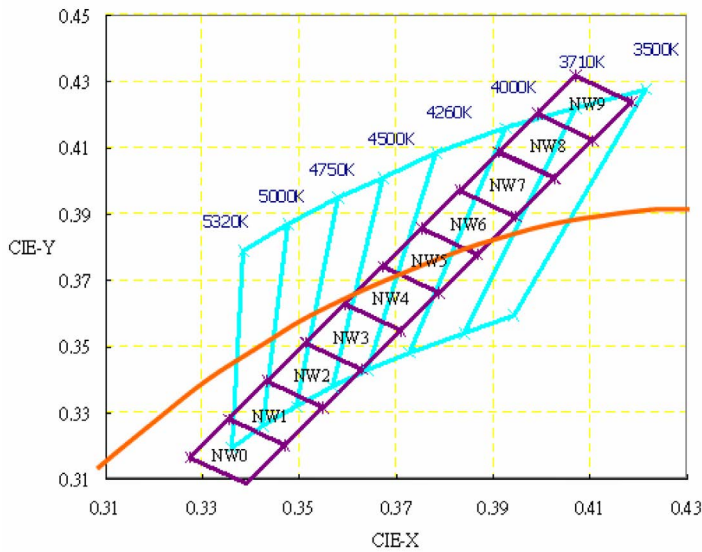
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Typical Electrical/ Optical Characteristics Curves



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CIE-X

Rank	CIE	
	x	y
NW5	0.3673	0.3742
	0.3788	0.3663
	0.3867	0.3778
	0.3752	0.3857
NW6	0.3752	0.3857
	0.3867	0.3778
	0.3947	0.3893
	0.3832	0.3973

Part Number Table

Description	Part Number
SMD Chip LED, 3528, White, 2050mcd, 120°	MP009787

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