

# Ultra Green SMD LED - 0603 **multicomp**PRO

**RoHS  
Compliant**



## Specifications:

Dice Material	: InGaN
Emitted Colour	: Ultra Green
Lens Colour	: Water Clear
Peak Wavelength	: 520nm
Viewing Angle	: 130 Deg.
Luminous Intensity (IV)	: 1090mcd
Package Size	: 1.6mm × 0.8mm × 0.6mm, SMD LED - 0603

## Absolute Maximum Ratings (T<sub>a</sub> = 25°C)

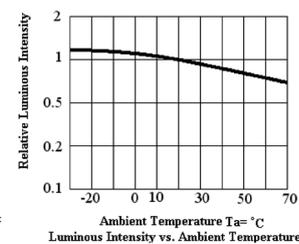
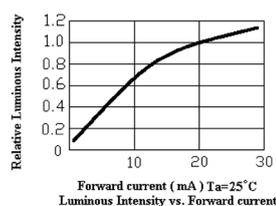
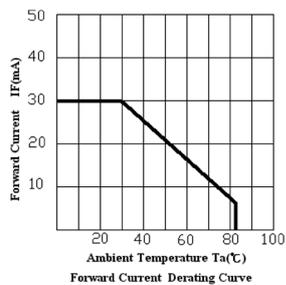
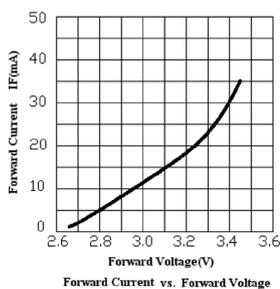
Reverse Voltage	5 Volt
Reverse Current	10μA (V <sub>R</sub> = 5V)
Electrostatics Discharge (ESD)	200 Volt
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Lead Soldering Temperature Range (1.6mm (1/16 inch) from body)	260°C for 5 Seconds

## Electrical/Optical Characteristics at T<sub>a</sub> = 25°C

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	700	1090	1360	mcd	IF = 20mA
Viewing Angle	2θ 1/2		130		Degrees	
Peak Emission Wavelength	λ <sub>P</sub>		520		nm	
Dominant Wavelength	λ <sub>D</sub>	520	526	532		
Spectral Line Half-Width	Δλ		36			
Forward Voltage	V <sub>F</sub>	2.8	2.9	3.2	V	IF = 20mA
Power Dissipation	P <sub>d</sub>			85	mW	
Peak Forward Current (Duty 1/10 at 1kHz)	IF (Peak)			100	mA	
Recommended Operating Current	IF (Rec)		20		mA	

## Typical Electro-Optical Characteristics Curves

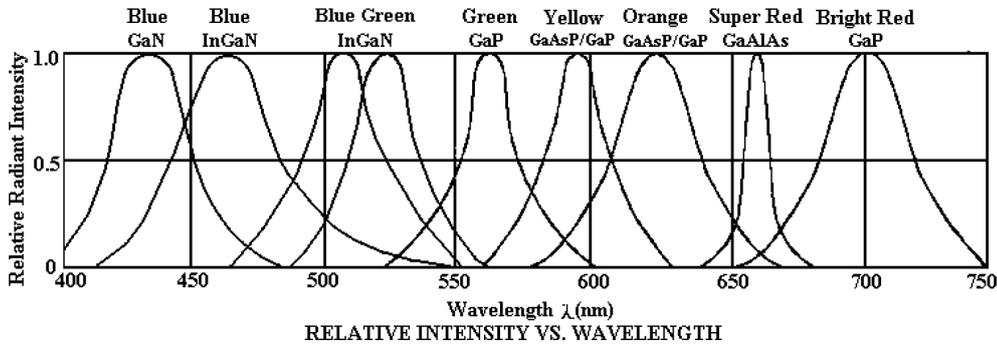
Ultra Green (InGaN λ<sub>P</sub> = 525nm)



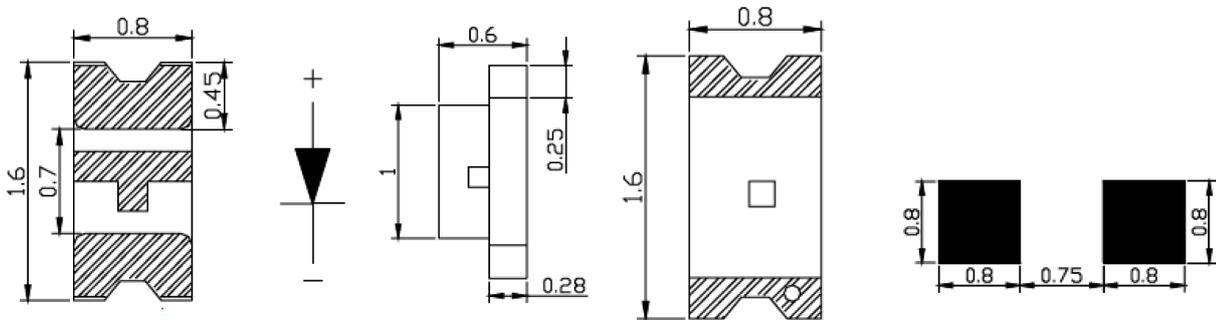
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## Diagram



Recommended soldering pad design

Dimensions : Millimetres  
Tolerance:  $\pm 0.2$ mm

## Part Number Table

Description	Part Number
1.6mm $\times$ 0.8mm $\times$ 0.6mm, SMD LED - 0603, Ultra Green, Water Clear, Cut Tape	MC011365
1.6mm $\times$ 0.8mm $\times$ 0.6mm, SMD LED - 0603, Ultra Green, Water Clear, Tape and Reel	MC011367

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