

# 3mm (T-1) Round LED Lamp Ultra Green

**multicomp** PRO

**RoHS  
Compliant**



## Specifications:

Dice Material	: InGaN
Emitted Colour	: Ultra Green
Lens Colour	: Water Clear
Peak Wavelength	: 525nm
Viewing Angle	: 30 Deg.
Luminous Intensity (IV)	: 15000mcd

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

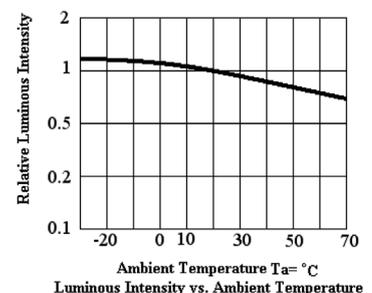
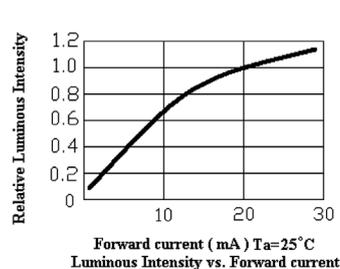
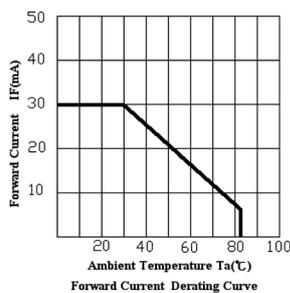
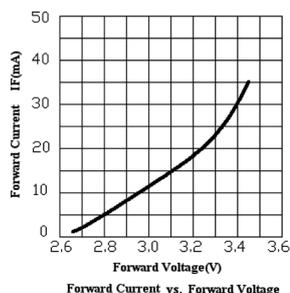
Reverse Voltage	5 Volt
Reverse Current	10µA (V <sub>R</sub> = 5V)
Electrostatics Discharge (ESD)	200 Volt
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Lead Soldering Temperature Range 1.6mm (1/16 inch) from body	260°C for 5 Seconds

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

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	12000	15000	20000	mcd	IF = 20mA
Viewing Angle	2θ 1/2		30		Degrees	
Peak Emission Wavelength	λ <sub>P</sub>		525		nm	
Dominant Wavelength	λ <sub>D</sub>	517.5	520	527		
Spectral Line Half-Width	Δλ		36			
Forward Voltage	V <sub>F</sub>	2.8	3.2	3.5	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)

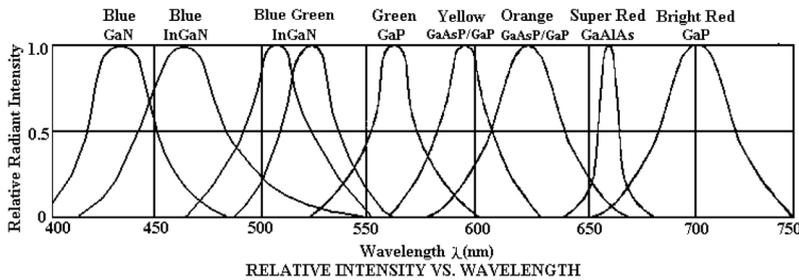


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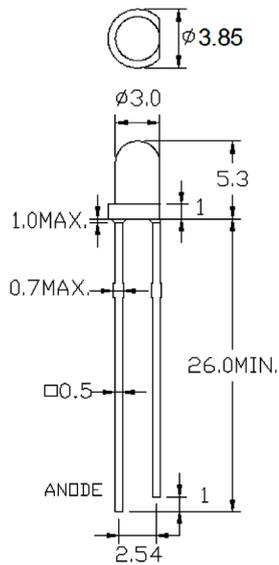
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## Diagram



Dimensions : Millimetres

## Part Number Table

Description	Part Number
3mm (T-1) Round LED Lamp, Ultra Green Water Clear, 30°	MC011363

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