

# 5mm Round Standard LED with 12V Resistor Pure Green

**multicomp** PRO

**RoHS  
Compliant**



## Feature

- High intensity
- Standard T- 1 3/4 diameter package
- General purpose LED
- Reliable and rugged
- With resistor built in

## Specification

Lead spacing is measured where the leads emerge from the package

Source Colour	Chip Material	Lens Colour
Blue	InGaN/SiC	Blue Diffused

## Absolute Maximum Rating at T<sub>A</sub> = 25°C

Parameter	Max.	Unit
Power Dissipation	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-25°C to +80°C	
Storage Temperature Range	-40°C to +100°C	
Lead Soldering Temperature [ 4mm (0.157) From Body]	260°C for 5 seconds	

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I <sub>v</sub>		20		mcd	I <sub>f</sub> = 20mA (Note 1)
Viewing Angle	2θ <sub>1/2</sub>		60		Deg.	Note 2
Peak Emission Wavelength	λ <sub>p</sub>		568		nm	I <sub>f</sub> = 20mA
Dominant Wavelength	λ <sub>d</sub>		565		nm	I <sub>f</sub> = 20mA (Note 3)
Forward Voltage	V <sub>f</sub>		2	2.5	V	I <sub>f</sub> = 20mA
Reverse Current	I <sub>R</sub>	-	-	100	μA	V <sub>R</sub> = 5V

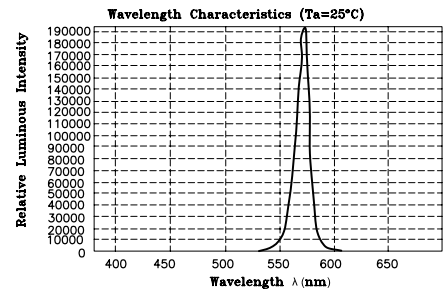
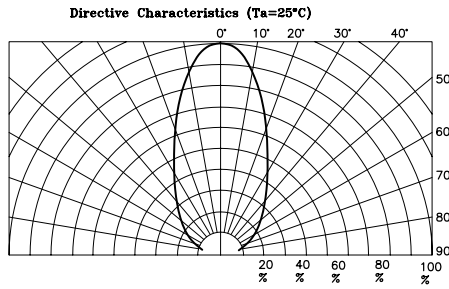
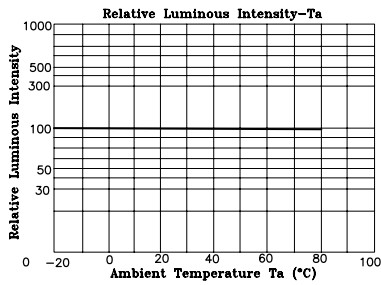
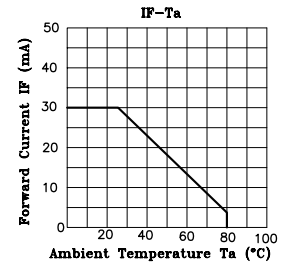
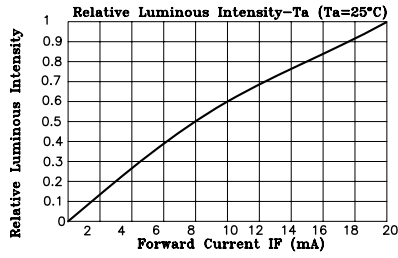
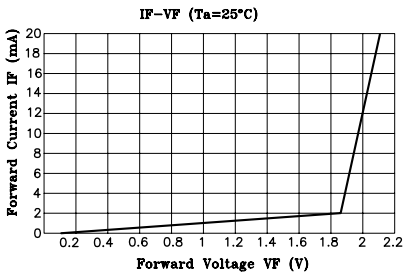
### Notes:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. θ<sub>1/2</sub> is the off-axis angle at which the luminous intensity is half the axial luminous intensity
3. The dominant wavelength (λ<sub>d</sub>) is derived from the CIE chromaticity single wavelength which defines the colour of the device.

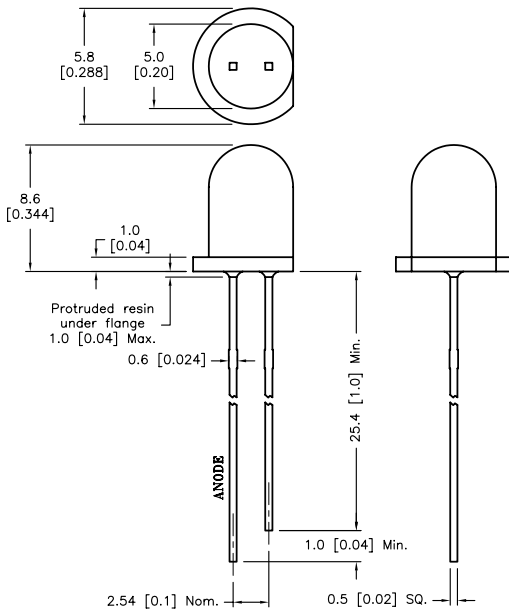
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# 5mm Round Standard LED with 12V Resistor Pure Green



## Diagram



Dimensions : Millimetres (Inches)

## Part Number Table

Description	Part Number
5mm Round Standard LED with 12V Resistor, Pure Green	MC20416

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