

# 3.00mm Round LED Lamp multicomp<sup>PRO</sup>

RoHS  
Compliant

## Specifications

Dice material : GaP/GaP  
Emmiting Colour : Green  
Lens colour : Water Clear  
Peak wavelength : 567nm  
Viewing angle : 40°  
Luminous intensity (IV) : 35mcd

## Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation	PD	78	mW
D.C. Forward Current	If	30	mA
Reverse Voltage	Vr	5	V
Reverse (Leakage) Current	Ir	100	µA
Operating Temperature	Top	-25 to +85	°C
Storage Temperature	Tstg.	-40 to +100	°C
Peak Current (1/10Duty Cycle, 0.1ms Pulse Width.)	If (peak)	100	mA
Soldering Temperature (1.6mm from body)	Tsol	Dip Soldering : 260°C for 5 sec. Hand Soldering : 350°C for 3 sec.	

## Electrical and Optical Characteristics

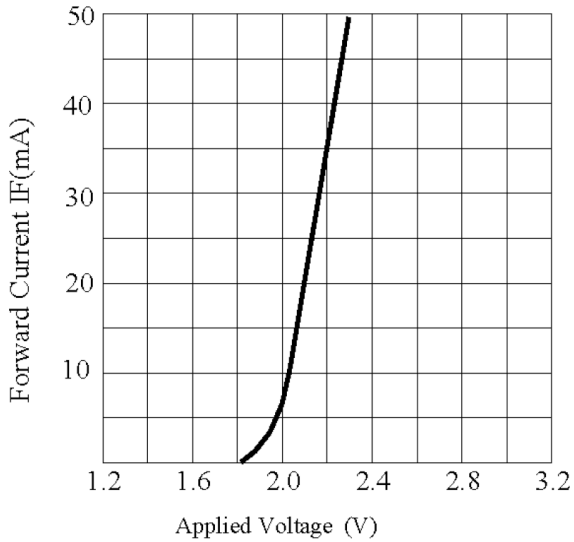
Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=20mA	20	35		mcd
Forward Voltage	Vf	If=20mA		2.1	2.6	V
Peak Wavelength	λp	If=20mA		567		nm
Dominant Wavelength	λd	If=20mA		572		nm
Reverse (Leakage) Current	Ir	Vr=5V			100	µA
Viewing Angle	2θ1/2	If=20mA		40		deg
Spectrum Line Halfwidth	Δλ	If=20mA		30		nm

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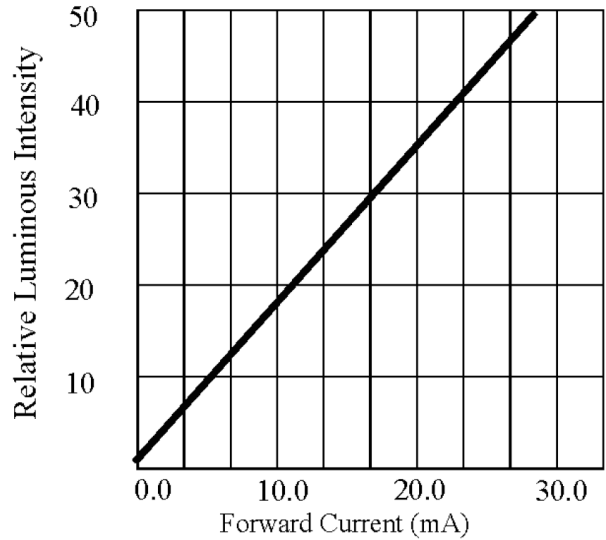
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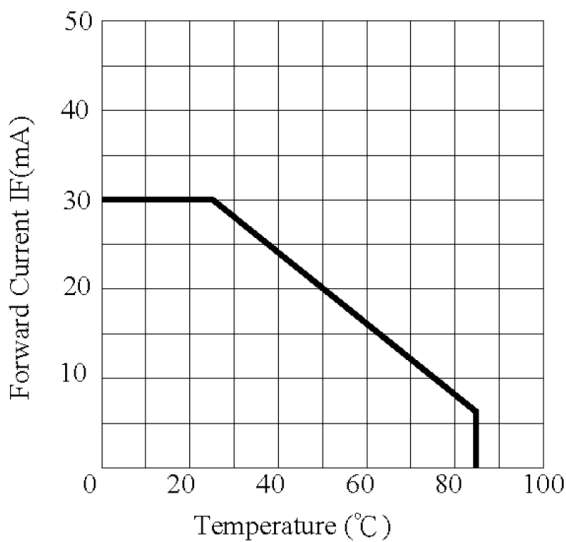
## Typical Electrical/ Optical Characteristics Curves



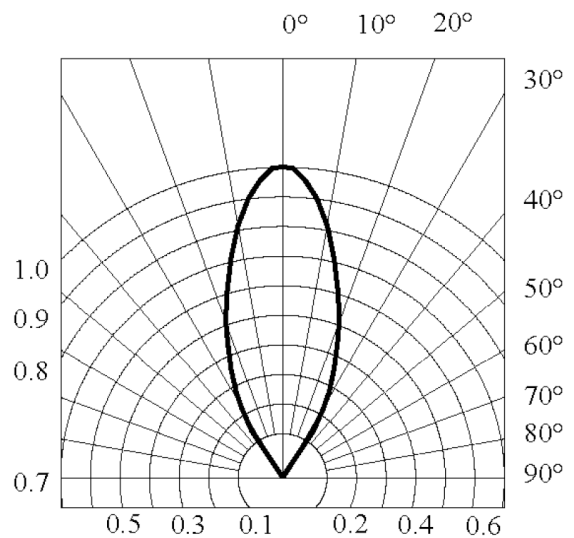
**FORWARD CURRENT VS. APPLIED VOLTAGE**



**FORWARD CURRENT VS. LUMINOUS INTENSITY**



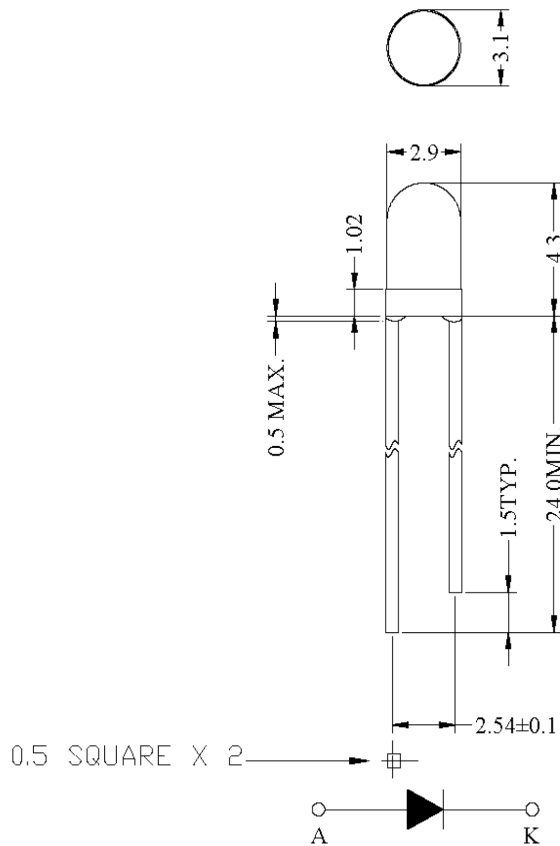
**FORWARD CURRENT VS. AMBIENT TEMPERATURE**



**RADIATION DIAGRAM**

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## Dimensions



Tolerance is  $\pm 0.25$ mm unless otherwise noted.

Dimensions : Millimetres

## Part Number Table

Description	Part Number
Round LED, Green, 567nm, 40°, 35mcd, Through hole	MP008272

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