3.0mm Round LED Lamp multicomp PRO



RoHS **Compliant**

Specifications

Dice material : GaAsP/GaP Emmiting colour : Yellow

: Yellow Diffused Lens colour

: 585nm Peak wavelength : 65° Viewing angle Luminous intensity (IV) : 13mcd

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation	PD	75	mW
Reverse Voltage	VR	5	V
D.C. Forward Current	lf	30	mA
Reverse (Leakage) Current	lr	100	μΑ
Peak Current (1/10Duty Cycle,0.1ms Pulse Width.)	If (Peak)	100	mA
Operating Temperature Range	Topr.	-25 to +85	°C
Storage Temperature Range	Tstg.	-40 to +100	°C
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.	Тур.	Max.	Unit
Luminous Intensity	lv	If=10mA	5.16	13		mcd
Forward Voltage	Vf	If=10mA		2	2.5	V
Peak Wavelength	λр	If=10mA		585		nm
Dominant Wavelength	λd	If=10mA		590		nm
Reverse (Leakage) Current	lr	Vr=5V			100	μA
Viewing Angle	201/2	If=10mA		65		deg
Spectrum Line Halfwidth	Δλ	If=10mA		35		nm

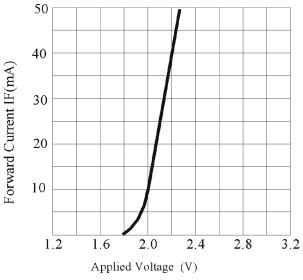
1. The specifications, characteristics and technical data described in the datasheet are subject to change without notice.

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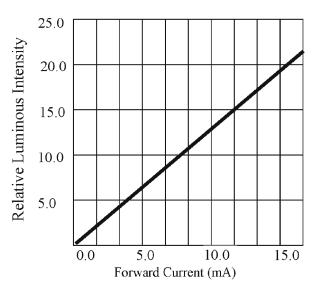


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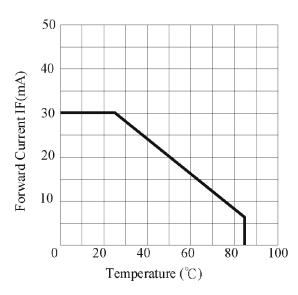
Typical Electrical/ Optical Characteristics Curves



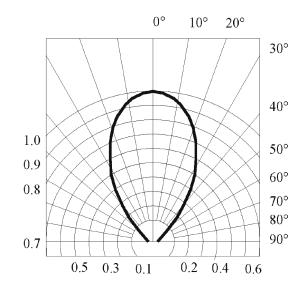
FORWARD CURRENT VS.APPLIED VOLTAGE



FORWARD CURRENT VS. LUMINOUS INTENSITY

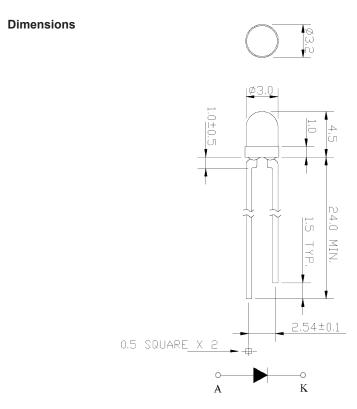


FORWARD CURRENT VS. AMBIENT TEMPERATURE



RADIATION DIAGRAM

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Tolerance is ±0.25mm unless otherwise noted.

Dimensions: Millimetres

Part Number Table

Description	Part Number	
Round LED, Yellow, 585nm, 65°, 13mcd, Through hole	MP008243	

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