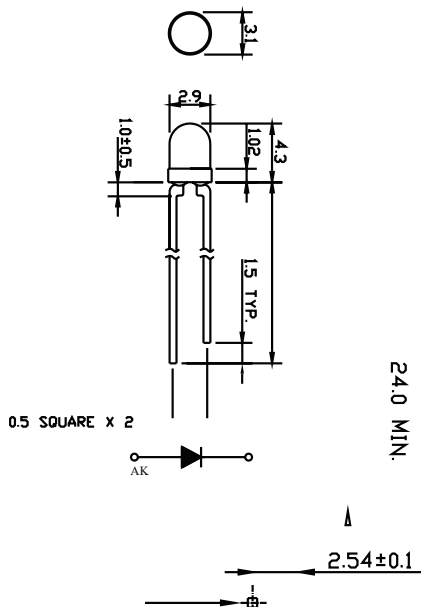


# 2.9mm Round LED Lamp multicomp<sup>PRO</sup>

## Package Dimensions:

RoHS  
Compliant



All dimensions are in mm  
Tolerance: ±0.25mm

## Features:

- Orange lamp
- Made with GaAsP / GaP chip and orange clear epoxy resin

## Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation	P <sub>D</sub>	78	mW
Reverse Voltage	V <sub>R</sub>	5	V
D.C. Forward Current	I <sub>f</sub>	30	mA
Reverse (Leakage) Current	I <sub>r</sub>	100	μA
Peak Current (1 / 10 Duty Cycle, 0.1ms Pulse Width)	I <sub>f</sub> (Peak)	100	mA
Operating Temperature Range	T <sub>opr</sub>	-25 to + 85	°C
Storage Temperature Range	T <sub>stg</sub>	-40 to +100	°C
Soldering Temperature (1.6mm from body)	T <sub>sol</sub>	Dip Soldering: 260°C for 5sec. Hand Soldering: 350°C for 3sec.	

# 2.9mm Round LED Lamp multicomp<sup>PRO</sup>

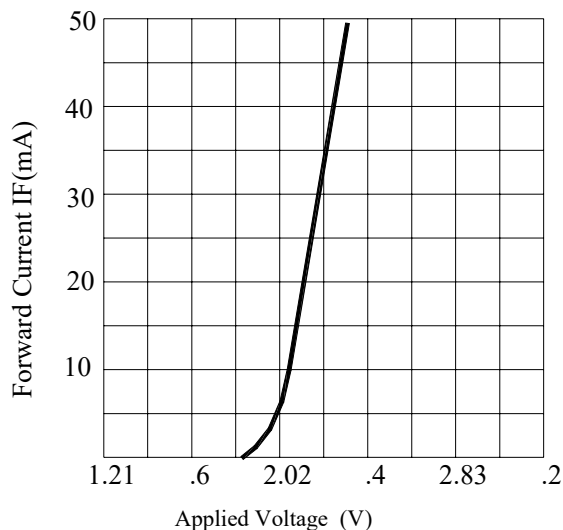
## Electrical & Optical Characteristics:

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	I <sub>v</sub>	I <sub>f</sub> = 20mA	20	35		mcd
Forward Voltage	V <sub>f</sub>	I <sub>f</sub> = 20mA		2.1	2.6	V
Peak Wavelength	λ <sub>p</sub>	I <sub>f</sub> = 20mA		642		nm
Dominant Wavelength	λ <sub>d</sub>	I <sub>f</sub> = 20mA		629		nm
Reverse (Leakage) Current	I <sub>r</sub>	V <sub>r</sub> = 5V			100	μA
Viewing Angle	2 θ ½	I <sub>f</sub> = 20mA		40		deg
Spectrum Line Halfwidth	Δλ	I <sub>f</sub> = 20mA		30		nm

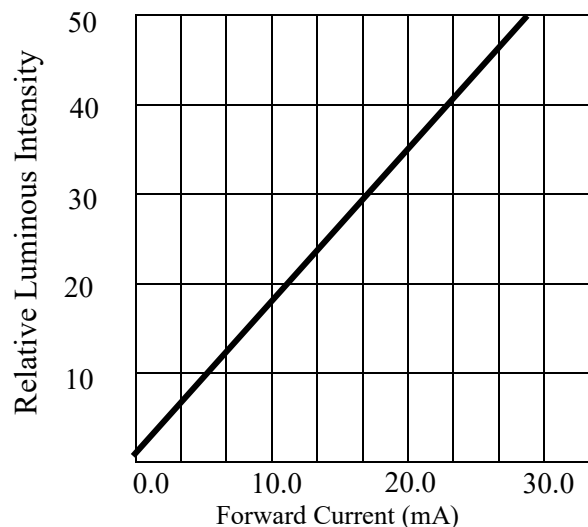
Notes: 1. The data is tested by IS tester.

2. Customer's special requirements are also welcome.

## Typical Electrical & Optical Characteristics Curves:

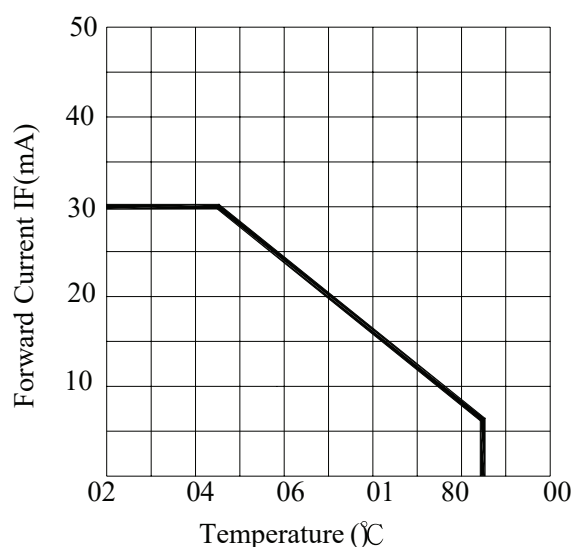


**FORWARD CURRENT VS. APPLIED VOLTAGE**

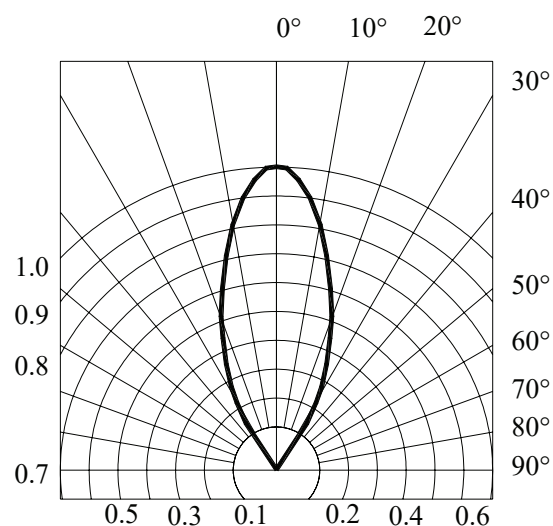


**FORWARD CURRENT VS. LUMINOUS INTENSITY**

# 2.9mm Round LED Lamp multicomp<sup>PRO</sup>



**FORWARD CURRENT VS. AMBIENT TEMPERATURE**



**RADIATION DIAGRAM**

## Part Number Table

LED Chip		Lens Colour	Part Number
Material	Emitting Colour		
GaAsP / GaP	Orange	Orange clear	703-0094

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