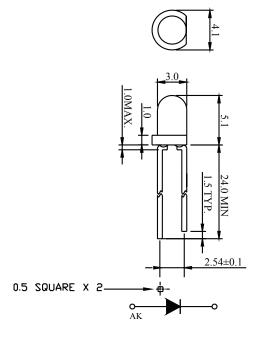
# **3mm Round LED Lamp**



### **Package Dimensions:**





All dimensions are in mm Tolerance: ±0.25mm

#### Features:

- Red lamp
- Made with AlGaAs / GaAs chip and red clear epoxy resin

### Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation	Po	66	mW
Reverse Voltage	VR	4	V
D.C. Forward Current	If	30	mA
Reverse (Leakage) Current	lr	100	μΑ
Peak Current (1 / 10 Duty 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 5sec. Hand Soldering: 350°C for 3sec.	





## **3mm Round LED Lamp**

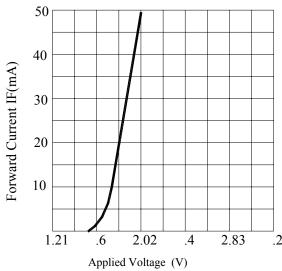


### **Electrical & Optical Characteristics:**

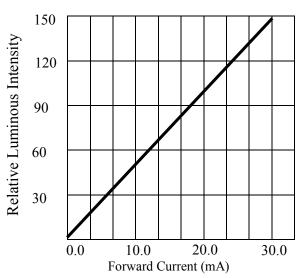
Parameter	Symbol	Condition	Min.	Тур.	Max.	Unit
Luminous Intensity	lv	If = 20mA	45	100		mcd
Forward Voltage	Vf	If = 20mA		1.8	2.2	V
Peak Wavelength	λр	If = 20mA		660		nm
Dominant Wavelength	λd	If = 20mA		643		nm
Reverse (Leakage) Current	lr	Vr = 5V			100	μA
Viewing Angle	2θ½	If = 20mA		35		deg
Spectrum Line Halfwidth	Δλ	If = 20mA		20		nm

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

### **Typical Electrical & Optical Characteristics Curves:**



FORWARD CURRENT VS.APPLIED VOLTAGE

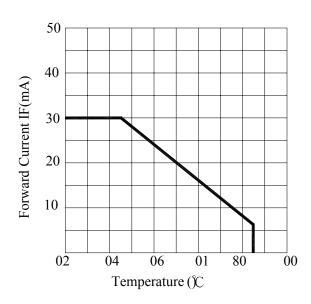


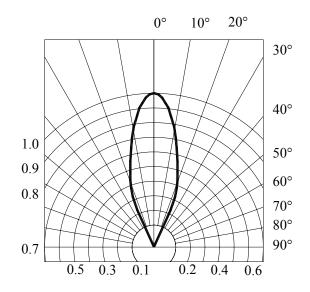
FORWARD CURRENT VS. LUMINOUS INTENSITY

<sup>2.</sup> Customer's special requirements are also welcome.

## **3mm Round LED Lamp**







FORWARD CURRENT VS. AMBIENT TEMPERATURE

RADIATION DIAGRAM

#### **Part Number Table**

LED Chip		Lens Colour	Part Number	
Material	Emitting Colour			
AlGaAs / GaAs	Red	Red clear	703-0090	

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