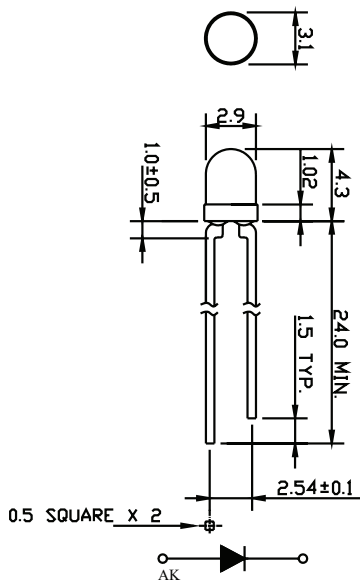


2.9mm Round LED Lamp multicomp^{PRO}

Package Dimensions:

RoHS
Compliant



Features:

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

All dimensions are in mm
Tolerance: $\pm 0.25\text{mm}$

Absolute Maximum Ratings at $T_a=25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Power Dissipation	P_D	66	mW
Reverse Voltage	V_R	4	V
D.C. Forward Current	I_f	30	mA
Reverse (Leakage) Current	I_r	100	μA
Peak Current (1 / 10 Duty Cycle, 0.1ms Pulse Width)	I_f (Peak)	100	mA
Operating Temperature Range	T_{opr}	-25 to + 85	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-40 to +100	$^\circ\text{C}$
Soldering Temperature (1.6mm from body)	T_{sol}	Dip Soldering: 260°C for 5sec. Hand Soldering: 350°C for 3sec.	

2.9mm Round LED Lamp multicomp^{PRO}

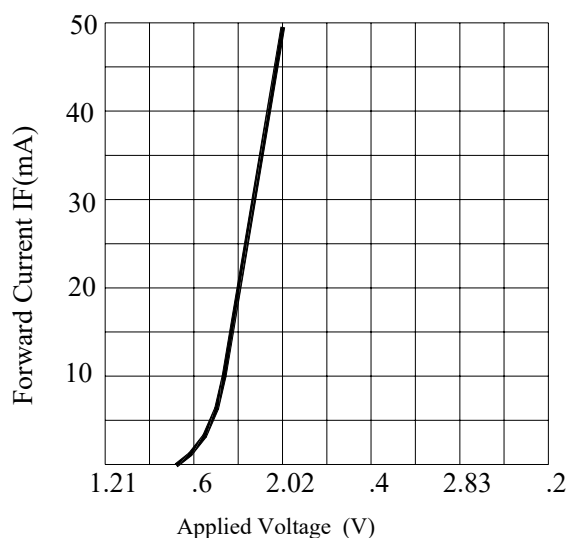
Electrical & Optical Characteristics:

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	I _v	I _f = 20mA	30	70		mcd
Forward Voltage	V _f	I _f = 20mA		1.8	2.2	V
Peak Wavelength	λ _p	I _f = 20mA		660		nm
Dominant Wavelength	λ _d	I _f = 20mA		643		nm
Reverse (Leakage) Current	I _r	V _r = 5V			100	μA
Viewing Angle	2 θ ½	I _f = 20mA		40		deg
Spectrum Line Halfwidth	Δλ	I _f = 20mA		20		nm

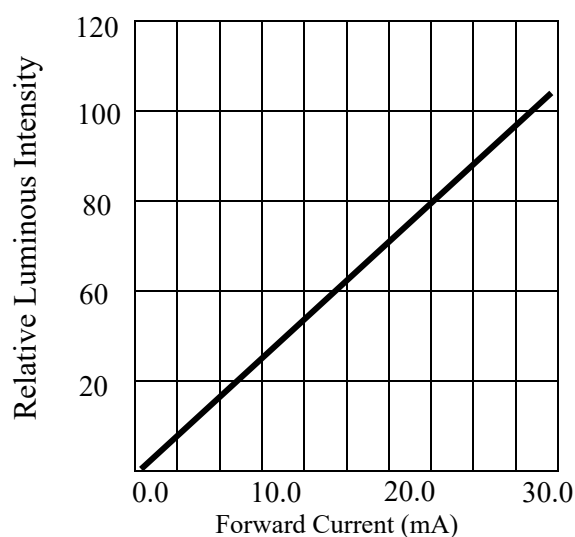
Notes: 1. The data is tested by IS tester.

2. Customer's special requirements are also welcome.

Typical Electrical & Optical Characteristics Curves:

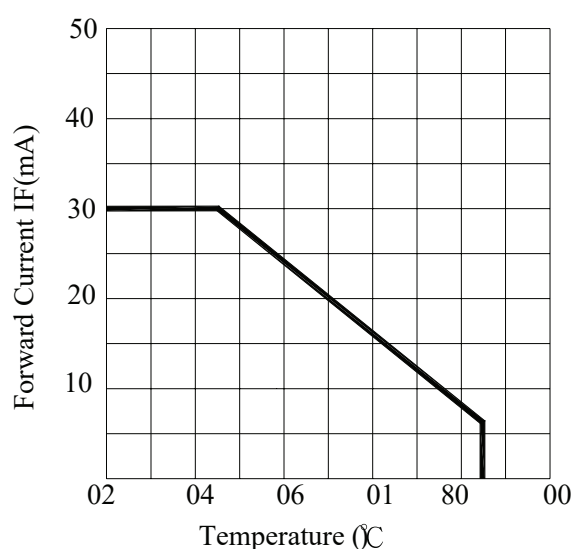


FORWARD CURRENT VS. APPLIED VOLTAGE

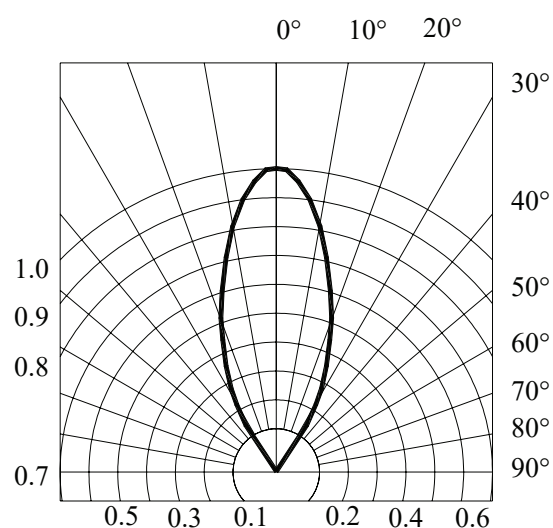


FORWARD CURRENT VS. LUMINOUS INTENSITY

2.9mm Round LED Lamp multicomp^{PRO}



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RADIATION DIAGRAM

Part Number Table

LED Chip		Lens Colour	Part Number
Material	Emitting Colour		
AlGaAs / GaAs	Red	Red clear	703-0095

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