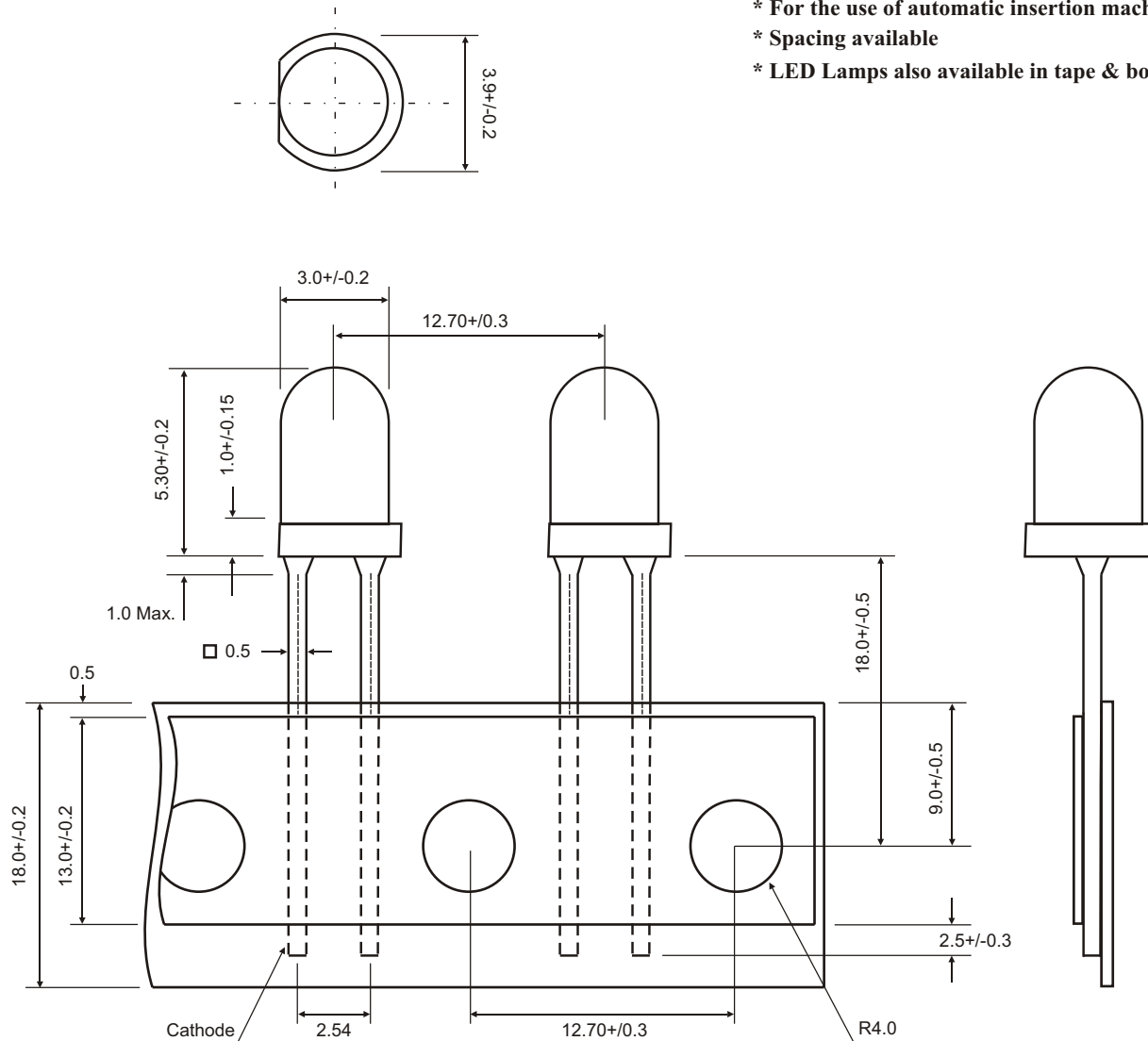


■ PACKAGE DIMENSIONS :



FEATURES

- * For the use of automatic insertion machine
- * Spacing available
- * LED Lamps also available in tape & box package

L.E.D. Dice		Lens Shape	Lens Color
Material	Emitting Color		
AlGaInP	Orange	3mm Round	Orange Diffused

Notes :

1. Lead spacing is measured where the leads emerge from the package
2. Protruded resin under flange 1.5mm (0.059") Max.
3. All dimensions are in millimeters, Tolerance is 0.25mm unless otherwise noted.



■ Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	250	300	350	mcd	I _F = 20 mA
Viewing Angle *	2θ 1/2		40		deg.	I _F = 20 mA
Peak Emission Wavelength	λ P		605		nm	I _F = 20 mA
Spectrum Radiation Bandwidth	Δλ		23		nm	I _F = 20 mA
Forwards Voltage	V _F		2.0	2.4	V	I _F = 20 mA
Recommended Working Current		10		20	mA	

* θ1/2 is the off-axis angle where the luminous intensity is 1/2 the peak intensity.

■ Absolute Maximum Ratings (Ta=25°C)

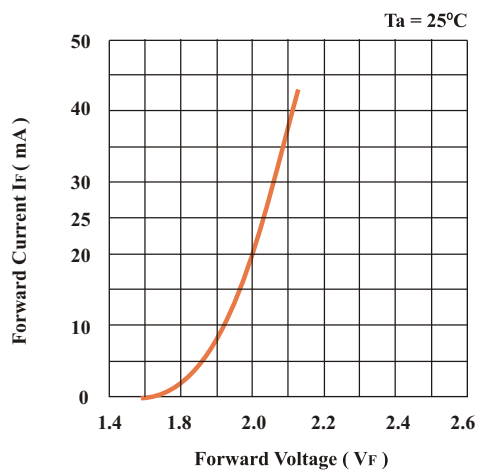
Characteristic	Symbol	Ratings	Unit
Power Dissipation	P _D	100	mW
Forward Current	I _F	30	mA
Peak Forward Current #	I _{PF}	100	mA
Reverse Voltage	V _R	5	V
Reverse Current	I _R	50	μA
Operation Temperature Range	T _{opr}	-30 ~ + 80	°C
Storage Temperature Range	T _{stg}	-40 ~ + 100	°C
Soldering Temperature Range *	T _{sol}	250°C for 3 seconds (max.)	

Duty ratio = 1/16 , Pulse width = 0.1ms

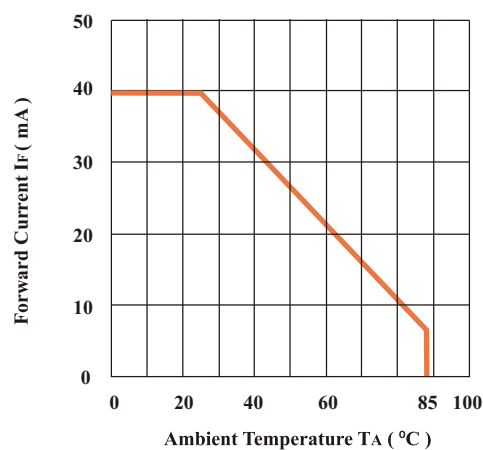
* Lead soldering temperature range (1.6mm from Body)

■ Typical Electro-Optical Characteristics Curves

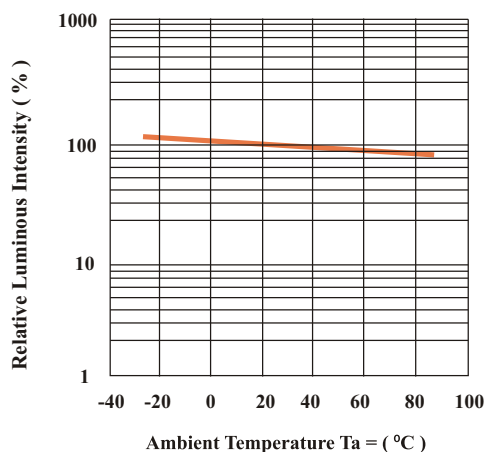
Forward Current vs Forward Voltage



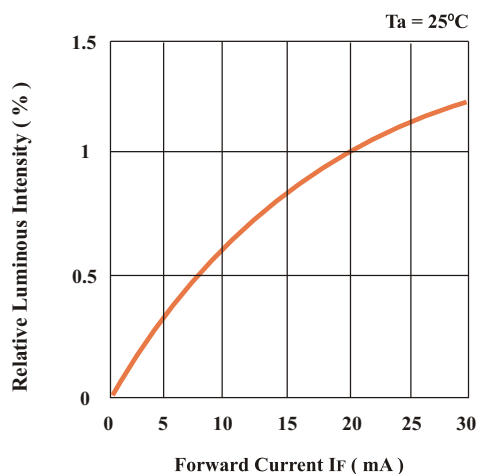
Forward Current Derating Curve



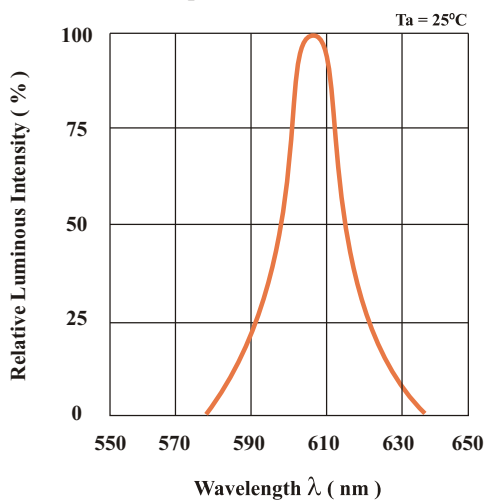
Luminous Intensity vs Ambient Temperature



Luminous Intensity vs Forward Current



Spectrum Distribution



Radiation Diagram

