

Tower LED

Yellow, 1.8mm

multicomp^{PRO}

RoHS
Compliant



Specifications

Dice Material	: GaAsP on GaP
Emitted colour	: Yellow
Lens Colour	: Yellow Diffused
Peak wavelength	: 587nm
Viewing angle	: 70°
Luminous intensity (IV)	: 18mcd
Storage Temperature	: +5°C to +30°C, RH 60% or less

Electrical / Optical Characteristics at Ta = 25°C

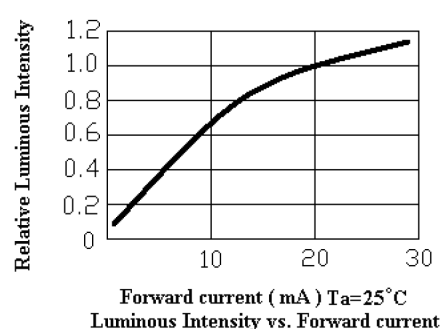
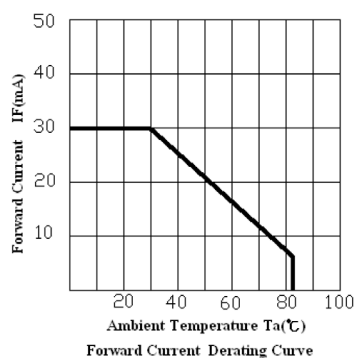
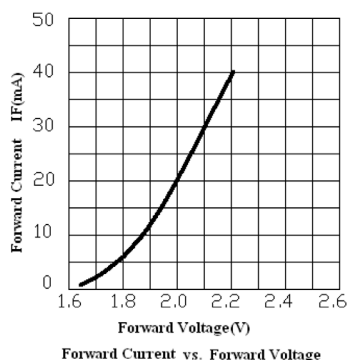
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test
Luminous Intensity	IV	12	18	25	mcd	IF = 20mA
Viewing Angle	2θ1/2	-	70	-	deg	
Peak Emission Wavelength	λp	-	587	-	nm	
Dominant Wavelength	λD	585	590	595	nm	
Spectral Line Half-Width	Δλ	-	35	-	nm	
Forward Voltage	VF	1.7	2	2.6	V	
Power Dissipation	Pd	-	-	85	mW	
Peak Forward Current (Duty 1/10 @ 1kHz)	IF (Peak)	-	-	100	mA	-
Recommended Operating Current	IF (Rec)	-	20	-		

Absolute Maximum Ratings at Ta = 25°C

Reverse Voltage	5 Volt
Reverse Current	10μA (VR=5V)
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Lead Soldering Temperature Range (1.6 mm (1/16 inch) from body)	260°C for 5 Seconds

Typical Electro-Optical Characteristics Curves

Yellow (GaAsP/GaP λP=587nm)



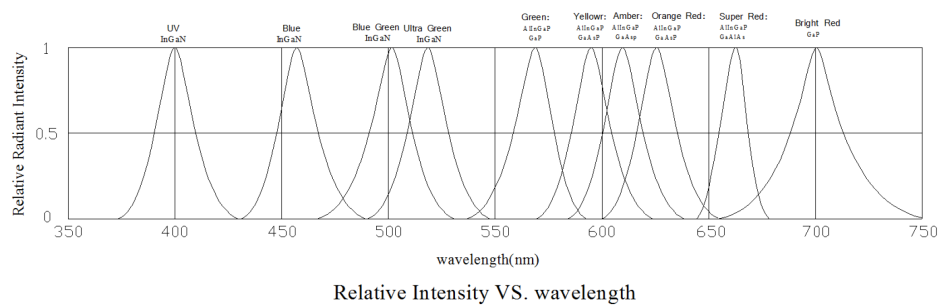
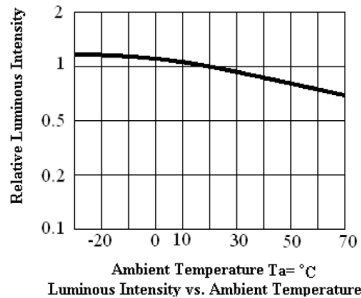
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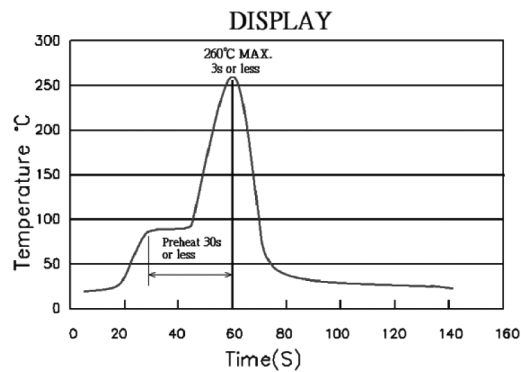
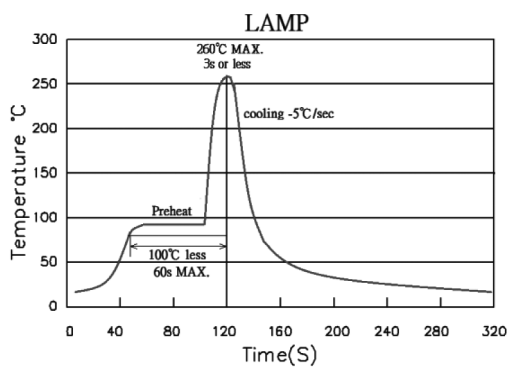
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Soldering

Recommended soldering condition as shown below:

Soldering heat (DIP)



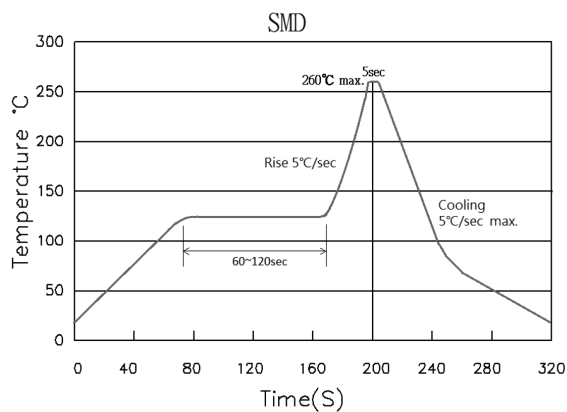
Soldering Iron

Temperature at tip of iron : 350°C Max.

Soldering Time: 3 sec. \pm 1 sec. (one time only)

If temperature is higher, time should be shorter

Reflow Temp./Time(SMD)



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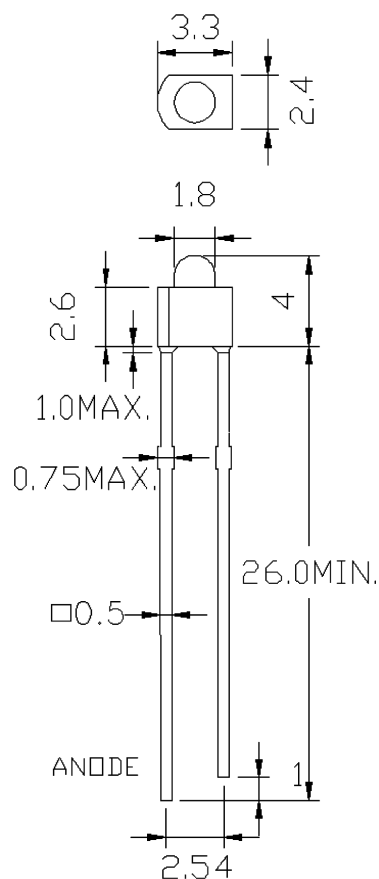
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Diagram



Part Number Table

Description	Part Number
1.8mm Tower LED, Yellow, 570nm, 70°, Through hole	MP007991

Dimensions : Millimetres

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