

3mm (T-1) Round LED Lamp Orange Red

multicomp PRO



**RoHS
Compliant**

Specifications

Dice Material	: GaAsP on GaP
Emitted Colour	: Orange Red
Lens Colour	: Orange Diffused
Peak Wavelength	: 635nm
Viewing Angle	: 50 Deg.
Luminous Intensity (IV)	: 40mcd

Electrical / Optical Characteristics at T_A = 25°C

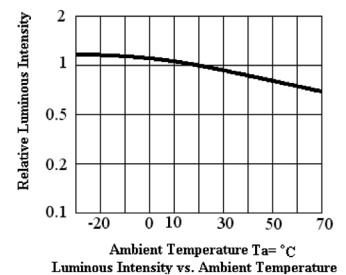
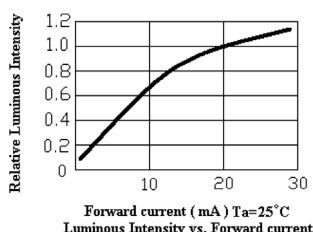
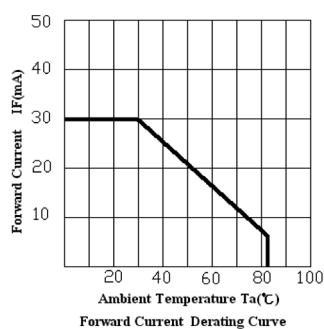
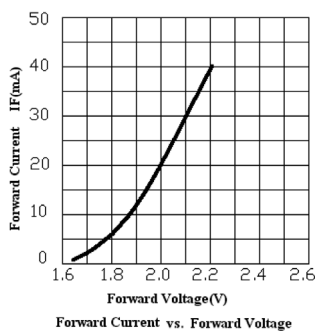
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test
Luminous Intensity	IV	25	40	60	mcd	IF = 20mA
Viewing Angle	2θ1/2		50		Deg.	
Peak Emission Wavelength	λ _p		635		nm	
Dominant Wavelength	λ _D	620	625	630	nm	
Spectral Line Half-Width	Δλ		45		nm	
Forward Voltage	V _F	1.8	2	2.6	V	
Power Dissipation	P _d			85	mW	
Peak Forward Current (Duty1/10 @ 1kHz)	IF (Peak)			100	mA	
Recommended Operating Current	IF (Rec)		20		mA	

Absolute Maximum Ratings (T_A = 25°C)

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

Typical Electro-Optical Characteristics Curves

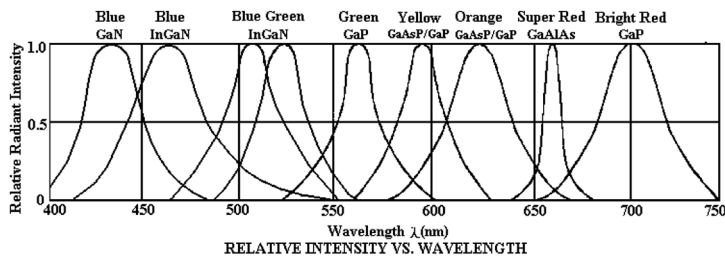
Orange (GaAsP/GaP λ_P = 635nm)



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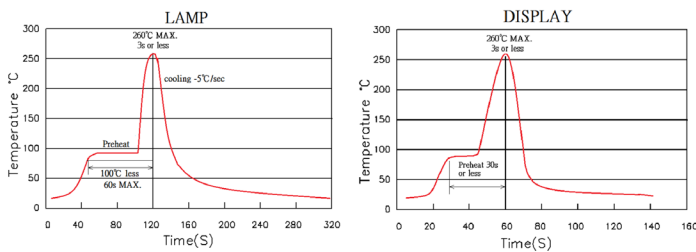
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Soldering

Recommended soldering condition as shown below:

Soldering heat (DIP)

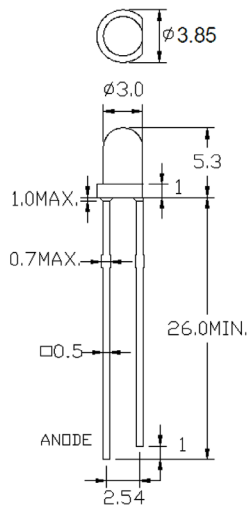


Soldering Iron

Temperature at tip of iron: 350°C Max.

Soldering Time: 3 sec. ± 1 sec. (one time only) If temperature is higher, time should be shorter

Diagram



Dimensions : Millimetres

Tolerance: 0.25mm

Part Number Table

Description	Part Number
3mm (T-1) Round LED Lamp, Orange Red, Orange Diffused Lens, 50°	MP000449

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