



YETDA INDUSTRY LTD.

3mm Red Super Bright LED Lamps with resistor chip Q300HCHCR1H-12V

- 3 mm with InGaInP dice plus resistor chip ◦
- Encapsulated with Red diffused Lens package ◦
- * Two leads ◦

Absolute Maximum Ratings :

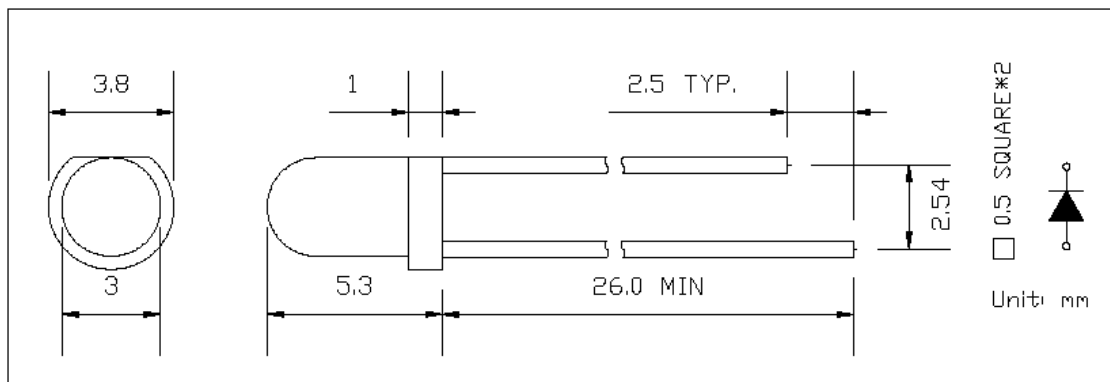
Parameter	Maximum Rating	Unit
Peak Forward Current	120	mA
Continuous Forward Current	30	mA
Operating Temperature Range	-25°C to + 80°C	
Storage Temperature Range	-35°C + 85°C	
Lead Soldering Temperature	260°C for 3 seconds 1.6mm (0.063 inch) from body	

Electro-Optical Characteristics (Ta = 25°C)

Parameter Radiant	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage	If = 20Ma	Vf		12		V
Reverse Current	Vr = 5V	Ir			10	uA
Luminous Intensity	If = 20mA	Iv	150	250	350	mcd
Spectral Bandwidth	If = 20mA	$\Delta\lambda$		35		nm
Wavelength	If = 20mA	Δp		630		nm
		Δd	620	625	630	nm
Half View Angle	If = 20mA	2 θ 1/2		80		deg

Package

Item:300





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•Soldering:

1. Manual of soldering

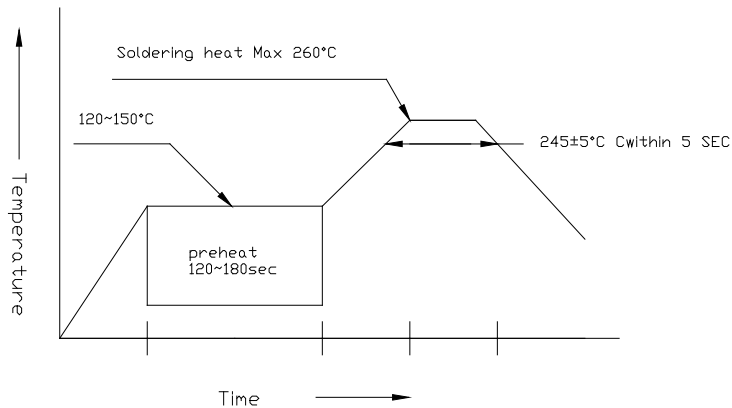
The temperature of the iron tip should not be higher than 260 °C and

Soldering within 3 seconds per solder-land is to be observed

2. DIP soldering (Wave Soldering):

Preheating: 120 °C ~ 150°C within 5 sec. 260°C (Max)

Gradual Cooling (Avoid quenching)

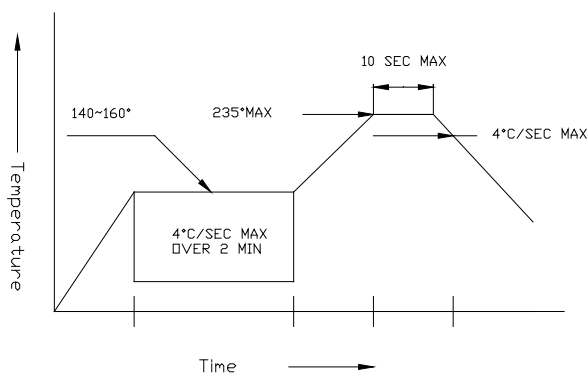


3. Reflow Soldering

Preheating: 140 °C ~ 160°C ±5°C, within 2 minutes.

Operation heating: 235 °C (Max) within 10 second

Gradual Cooling (Avoid quenching)



•Handling:

Care must be taken not to cause to the epoxy resin portion of Yetda LEDS while it is exposed to high temperature.

Care must be taken not rub the epoxy resin portion of Yetda LEDS with hard or sharp article such as the sand blast and the metal hook