



YETDA INDUSTRY LTD.

5mm Amber Super Bright LED Lamps Q500LCA4D

- 5 mm with AlGaInP dice ◦
- Encapsulated with Water Clear Lens package ◦
- * Two leads ◦

Absolute Maximum Ratings :

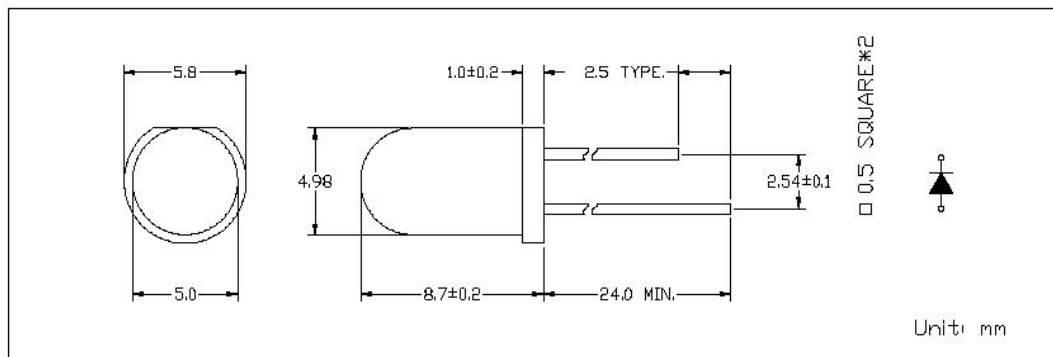
Parameter	Maximum Rating	Unit
Peak Forward Current	120	mA
Continuous Forward Current	30	mA
Operating Temperature Range	-20°C to + 75°C	
Storage Temperature Range	-40°C + 100°C	
Lead Soldering Temperature	260°C for 3 seconds 1.6mm (0.063 inch) from body	

Electro-Optical Characteristics (Ta = 25°C)

Parameter Radiant	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage	If = 20Ma	Vf	1.8	2.0	2.45	V
Reverse Current	Vr = 5V	Ir			10	uA
Luminous Intensity	If = 20mA	Iv		3500		mcd
Spectral Bandwidth	If = 20mA	$\Delta\lambda$		35		nm
Wavelength	If = 20mA	Δp		608		nm
		Δd		605		nm
Half View Angle	If = 20mA	2 θ 1/2		20		deg

Package

Item: 500



Soldering:**1. Manual of soldering**

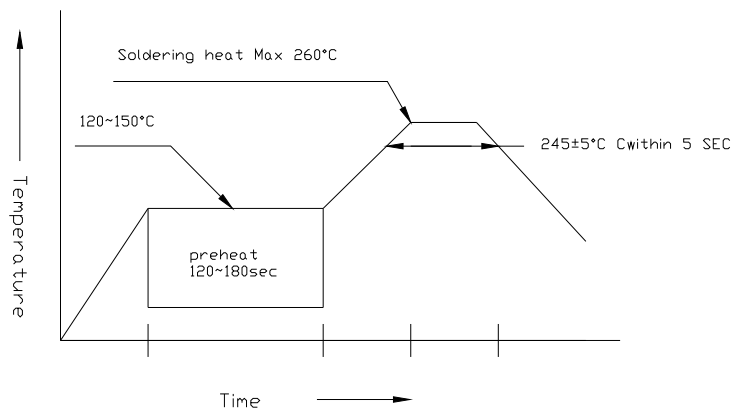
The temperature of the iron tip should not be higher than 260°C and

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)

**•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