

PRECAUTIONS FOR USING BRIGHT CHIP LED PRODUCTS

1. SOLDERING :

Manual Of Soldering

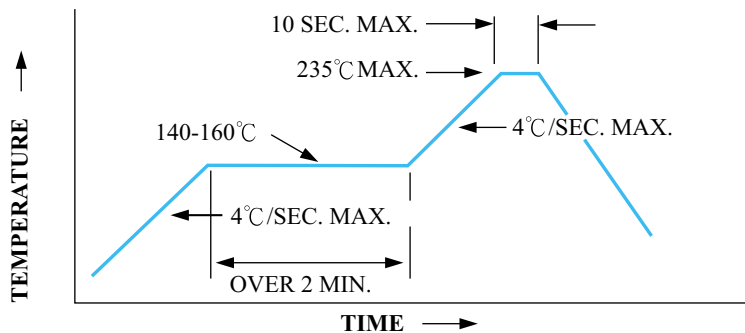
The temperature of the iron tip should not be higher than 300°C(572°F) and soldering within 3 seconds per solder-land is to be observed.

Reflow Soldering

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

Operation heating : 235°C(Max.), within 10 seconds.(Max.)

Gradual Cooling(Avoid quenching).



2. Handling :

Care must be taken not to cause stress to the epoxy resin portion of **BRIGHT LEDs** while it is exposed to high temperature.

Care must be taken not to rub the epoxy resin portion of **BRIGHT LEDs** with hard or sharp article such as the sand blast and the metal hook.

3. Notes for designing :

Care must be taken to provide the current limiting resistor in the circuit so as to drive the **BRIGHT LEDs** within the rated figures. Also, caution should be taken not to overload **BRIGHT LEDs** with instantaneous voltage at the turning ON and OFF of the circuit.

When using the pulse drive, care must be taken to keep the average current within the rated figures. Also, the circuit should be designed so as not to be subjected to reverse voltage when turning off the **BRIGHT LEDs**.

4. Storage :

In order to avoid the absorption of moisture. It is recommended to solder **BRIGHT LEDs** as soon as possible after unpacking the sealed envelope.

If the envelope is still packed, to store it in the environment as following :

Temperature : 5°C-30°C(41°F-86°F) Humidity : RH 60% Max.