











| Description   | Item                            | Test criterion                                      | Test condition                                           | Time     | Qty | Fail qty |
|---------------|---------------------------------|-----------------------------------------------------|----------------------------------------------------------|----------|-----|----------|
| Life test     | Life test(room temperature)     | JIS7021:B4                                          | Ta=25 ±5 IF=300mA                                        | 1000Hrs  | 22  | 0        |
| Ambience test | High temperature store          | JIS7021:B10<br>MIL-STD-202:210A<br>MIL-STD-750:2031 | Ta=85 ±5                                                 | 1000Hrs  | 22  | 0        |
|               | Low temperature store           | JIS7021:B12                                         | Ta=-35 ±5                                                | 1000Hrs  | 22  | 0        |
|               | High temperature/ humidity test | JIS7021:B11<br>MIL-STD-202:103D                     | Ta=85 ±5<br>RH=85%                                       | 1000Hrs  | 22  | 0        |
|               | Cold / Heat strike test         | JIS7021:B4<br>MIL-STD-202:107D<br>MIL-STD-750:1026  | 30min<br>-10 ±5 ← →100 ±5<br>5min 5min                   | 50Cycles | 22  | 0        |
|               | Cold and heat cycle test        | JIS7021:A3<br>MIL-STD-202:107D<br>MIL-STD-705:105E  | 5min 5min 5min<br>-35 25 85 -35<br>30min 5min 30min 5min | 50Cycles | 22  | 0        |

\* Judging criterion:

| Item | Symbol | Experiment condition | Criteria |      |
|------|--------|----------------------|----------|------|
|      |        |                      | Min.     | Max. |

Forward Voltage  
 $\alpha I_{FS}$













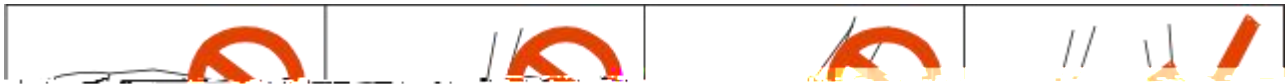


## 使用注意事项（3）

### Precautions (3)

#### 其他事项

When handling the product, touching the encapsulant with bare hands will not only contaminate its surface, but also affect on its optical characteristics. Excessive force to the encapsulant might result in catastrophic failure of the LEDs due to die breakage or wire deformation. For this reason, please do not put excessive stress on LEDs, especially when the LEDs are heated such as during Reflow Soldering.



#### LED

The epoxy resin of encapsulant is fragile, so please avoid scratch or friction over the epoxy resin surface. While handling the product with tweezers, do not hold by the epoxy resin, be careful.

#### LED

#### LED

Viewing direct to the light emitting center of the LEDs, especially those of great Luminous Intensity, will cause great hazard to human eyes. Please be careful.

If there are any modifications to the specification sheet, no further notice will be given