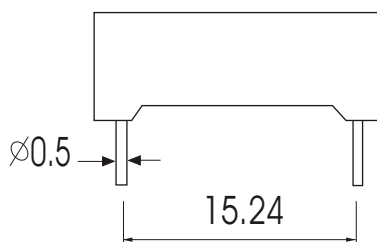
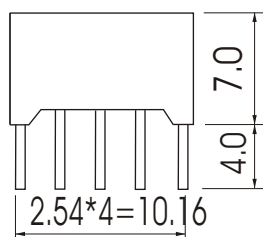
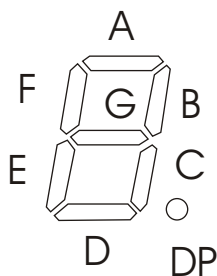
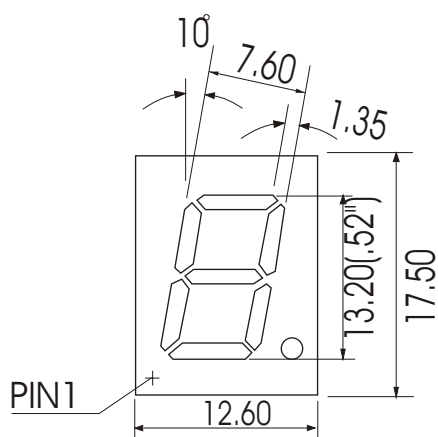


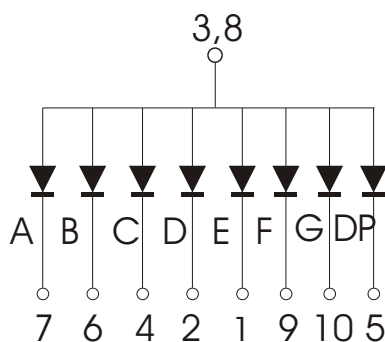
### KT10521BUYOB

#### Features

- 0.52 inch digit height
- Low power requirement
- I.C. Compatible
- Easy assembly
- RoHs compliant
- Wide viewing angle
- End stack able
- Gray surface
- White segments
- Common Anode



### CODE B



### Code:UY Yellow (AlGaInP)

| Parameter                                                           | Symbol | Condition      | Min. | Typ. | Max. | Unit |
|---------------------------------------------------------------------|--------|----------------|------|------|------|------|
| Forward Voltage (Per dice)                                          | Vf     | If=20mA        | 1.8  |      | 2.3  | V    |
| Reverse Voltage (Per dice)                                          | Vr     | Ir=10uA        |      | 5    |      | V    |
| Luminous Intensty (Per dice)                                        | Iv     | If=20mA        |      | 80   |      | mcd  |
| Spectrum With Of Half Value                                         | △λ     | If=20mA        |      | 30   |      | nm   |
| Wavelength                                                          | Dλ     | If=20mA        | 585  |      | 590  | nm   |
| Peak Forward Current (Per dice)<br>1/10 Duty Cycle,0.1ms Pulse      | Ifp    | 70             |      |      |      | mA   |
| Operating Temperature Range                                         | Topr   | - 35 ℃ to 85 ℃ |      |      |      |      |
| Storage Temperature Range                                           | Tstg   | - 35 ℃ to 85 ℃ |      |      |      |      |
| Solder Temperature 1.5mm below seating plane for 3 Seconds at 260 ℃ |        |                |      |      |      |      |

Absolute Maximum Rating at T<sub>a</sub>=25°C

Fig.1



Fig.2

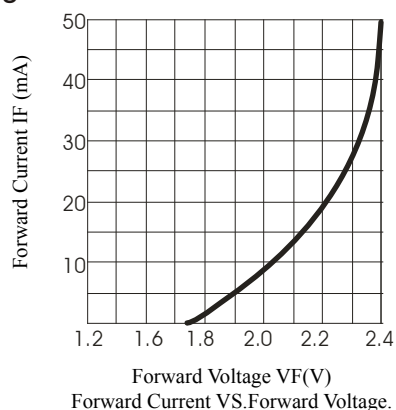


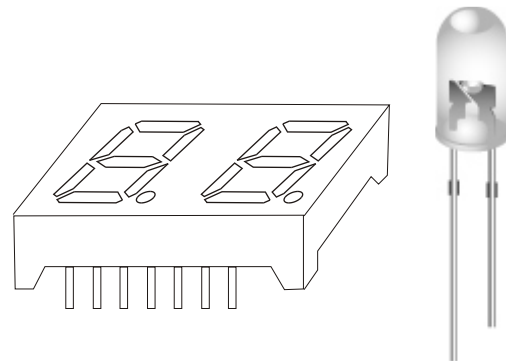
Fig.3



Fig.4



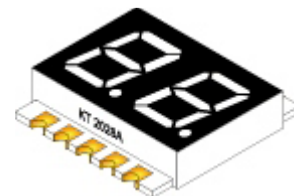
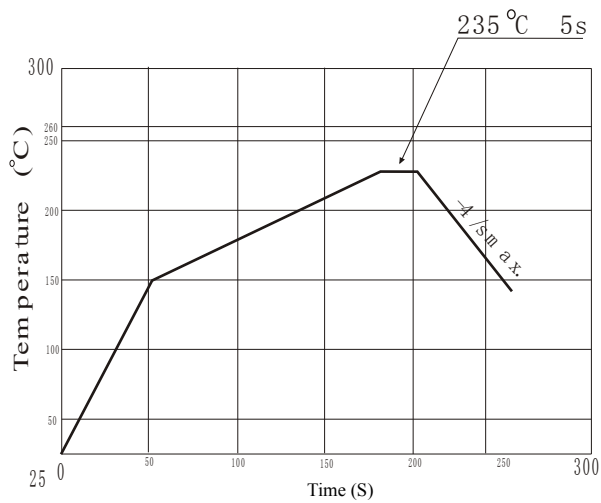
### Wave Soldering for Lead-Free Through-hole LED



1.5mm below package base

|                    |                     |
|--------------------|---------------------|
| Solder Temperature | 260°C for 5 Seconds |
|--------------------|---------------------|

### Lead-free SMT process



|                         |                     |
|-------------------------|---------------------|
| Lead solder Temperature | 235°C for 5 Seconds |
|-------------------------|---------------------|

Notes: Recommend the wave temperature max. 235 °C.

Do not apply stress on the epoxy when temperature over 80 °C.

No more than once.