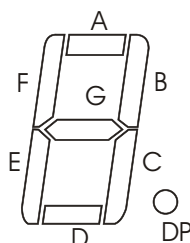
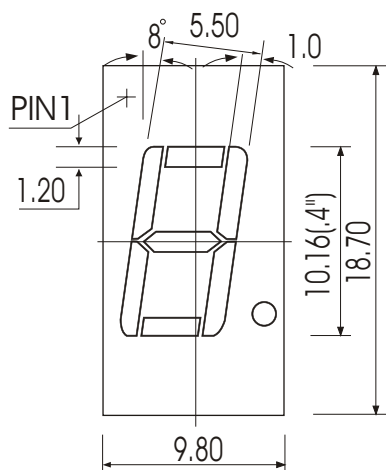
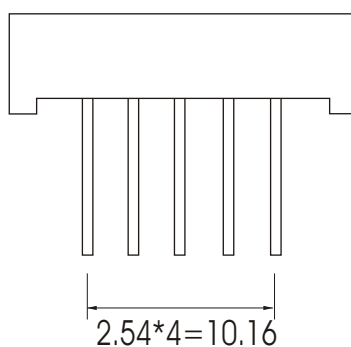
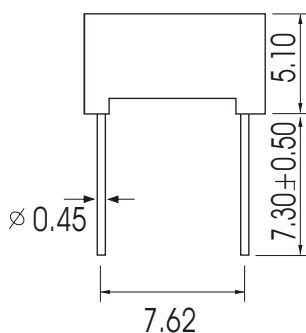


### KT10401BBOB

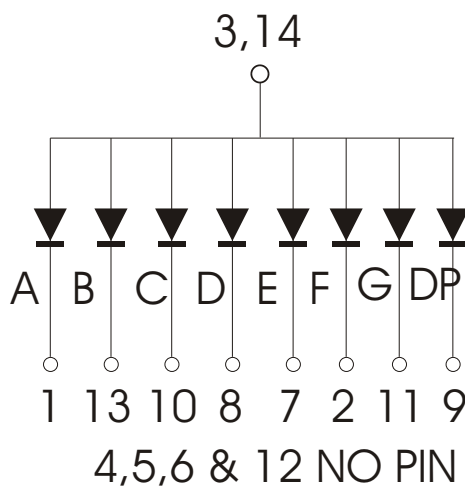


#### Features

- 0.40 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:B Super Bright Red (AlGaInP)

| Parameter                                                            | Symbol | Condition        | Min. | Typ. | Max. | Unit |
|----------------------------------------------------------------------|--------|------------------|------|------|------|------|
| Forward Voltage (Per dice)                                           | Vf     | If=20mA          | 1.70 |      | 2.30 | V    |
| Reverse Voltage (Per dice)                                           | Vr     | Ir=10uA          |      | 5    |      | V    |
| Luminous Intensty (Per dice)                                         | Iv     | If=20mA          |      | 20   |      | mcd  |
| Spectrum With Of Half Value                                          | △λ     | If=20mA          |      | 22   |      | nm   |
| Wavelength                                                           | Dλ     | If=20mA          |      | 642  |      | nm   |
| Peak Forward Current (Per dice)<br>1/10 Duty Cycle,0.1ms Pulse       | Ifp    | 70               |      |      |      | mA   |
| Operating Temperature Range                                          | Topr   | - 35 °C to 85 °C |      |      |      |      |
| Storage Temperature Range                                            | Tstg   | - 35 °C to 85 °C |      |      |      |      |
| Solder Temperature 1.5mm below seating plane for 3 Seconds at 260 °C |        |                  |      |      |      |      |

Absolute Maximum Rating at Ta=25°C

Fig.1

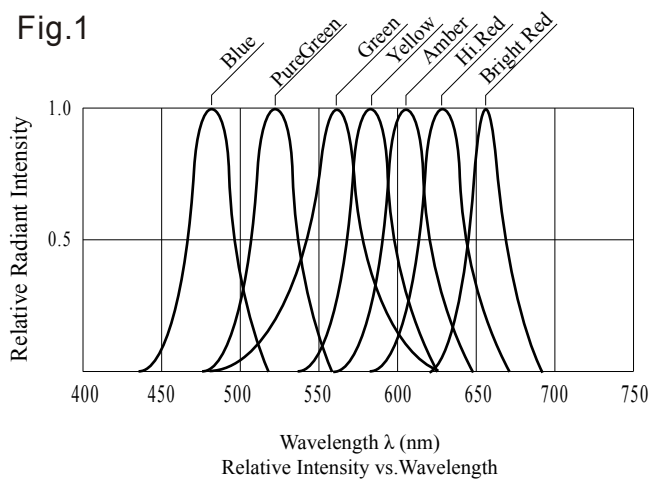


Fig.2

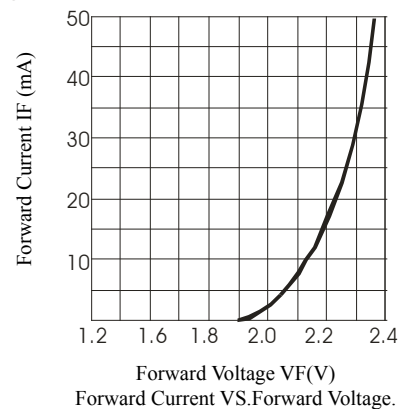


Fig.3

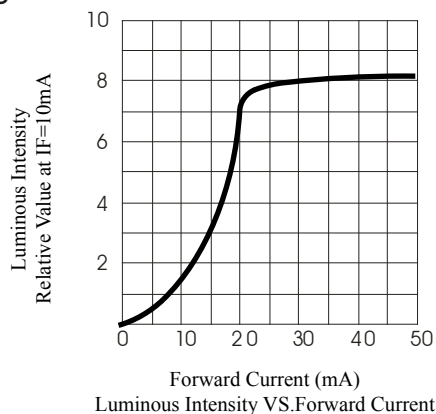
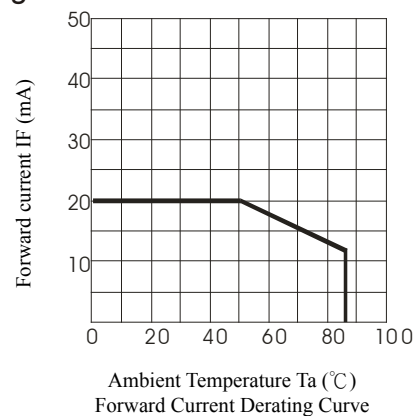


Fig.4



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



|                    |                     |
|--------------------|---------------------|
| 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.