



深圳光之宝科技有限公司  
Shenzhen Guangzhibao Technology Co.,Ltd.

## SPECIFICATION FOR APPROVAL

DESCRIPTION : 4-Digit 0.4inch CA/CC Red 7 Segment LED Display

PART NUMBER : LB40401CUR1B-D / LB40401FUR1B-D

CUSTOMER : \_\_\_\_\_

拟制 (PREPARED BY) : ZAN J.F.

审核 (CHECKED BY) : LI J.X.

批准 (APPROVED BY) : WU H.H.

日期 (DATE): 2025.08.08

客户承认 (APPROVED BY CUSTOMER):

签名 (SIGNED): \_\_\_\_\_ 职务 (TITLE): \_\_\_\_\_ 日期 (DATE): \_\_\_\_\_

Address: 2/F, Building 6, Lihe Industrial Park, No. 1055, Songbai Road,  
Xili Street, Nanshan District, Shenzhen, Guangdong 518055 China

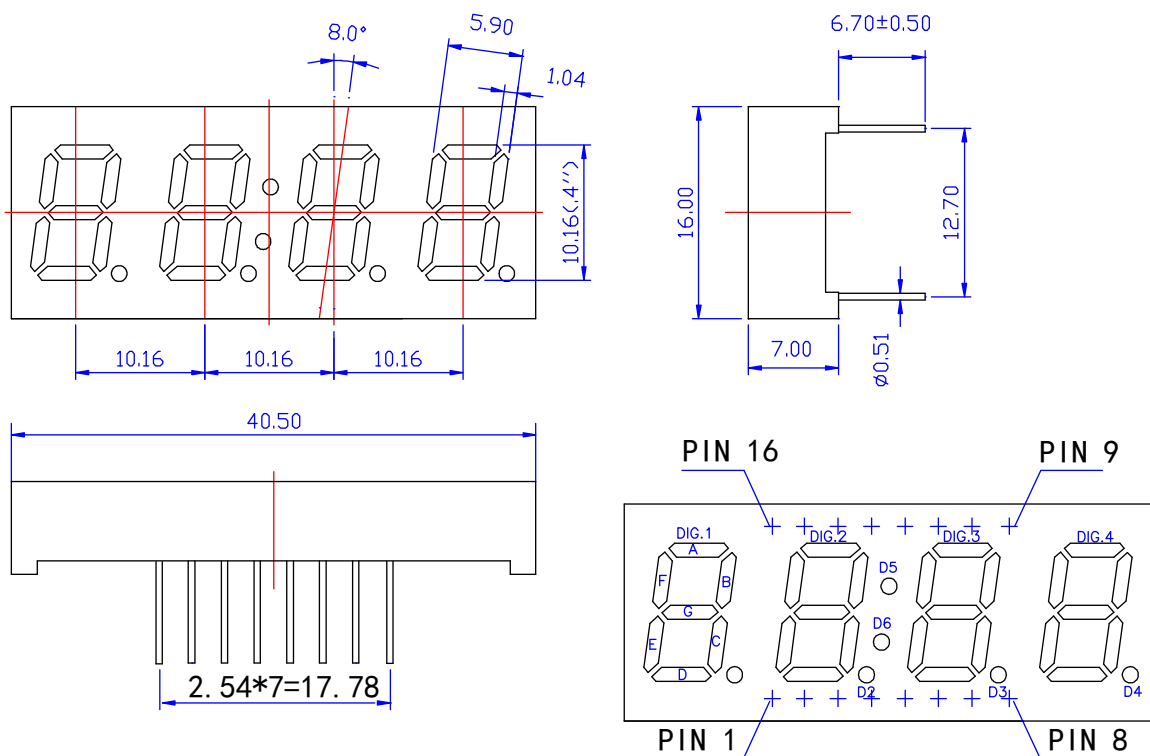
Tel: (86 755)8398 3496

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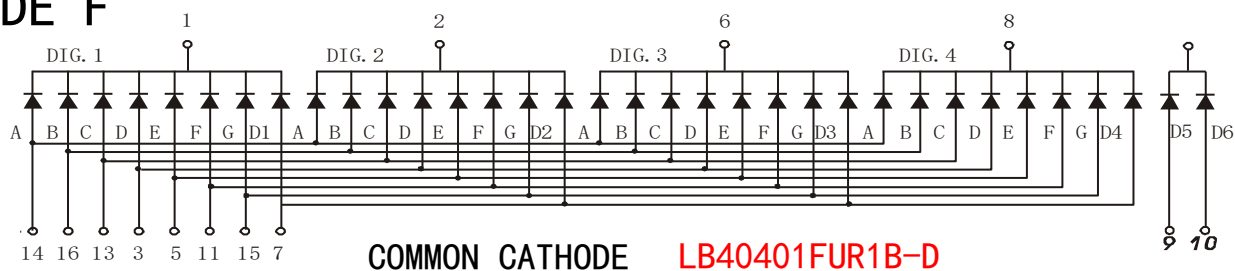
Web: www.light-bo.com

E-mail: lightbo@lightbo.cn

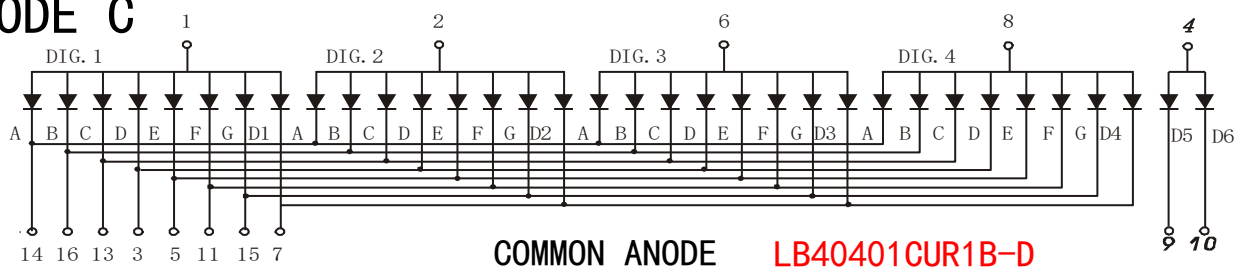
# LB40401CUR1B-D / LB40401FUR1B-D



## CODE F



## CODE C





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LB40401CUR1B-D/ LB40401FUR1B-D 4-Digit 7 Segment LED Display

## 一 Features

01. Package dimension: 40.5 x 16 x 7 mm
02. Digit height: 10.16mm (0.4 inch)
03. Polarity: Common Anode / Common Cathode
04. Emitting colour: Ultra bright red
05. Made with white segments black surface
06. High luminous intensity
07. Low current operation
08. Stable performance
09. Continuous uniform segments
10. Easy mounting on PCB
11. IC compatible
12. RoHS compliant

## 二 . Absolute Maximum Ratings ( $T_a = 25^{\circ}\text{C}$ )

| Parameter                          | Symbol    | Ratings | Unit               |
|------------------------------------|-----------|---------|--------------------|
| Forward Current ( per seg)         | $I_{PM}$  | 20      | mA                 |
| Reverse Voltage ( per seg)         | $V_R$     | 5       | V                  |
| Power Dissipation ( per seg)       | $P_M$     | 50      | mW                 |
| Operating Temperature Range        | $T_{opr}$ | -40~+85 | $^{\circ}\text{C}$ |
| Storage Temperature Range          | $T_{STg}$ | -40~+85 | $^{\circ}\text{C}$ |
| Solder Temperature ( $\leq 3$ sec) | $T_h$     | 260     | $^{\circ}\text{C}$ |

Code:UR - Ultra Bright Red

| Parameter                                                            | Symbol          | Condition        | Min. | Typ. | Max. | Unit |
|----------------------------------------------------------------------|-----------------|------------------|------|------|------|------|
| Forward Voltage (Per dice)                                           | Vf              | If=20mA          | 1.80 |      | 2.2  | V    |
| Reverse Voltage (Per dice)                                           | Vr              | Ir=10uA          |      | 5    |      | V    |
| Luminous Intensty (Per dice)                                         | Iv              | If=20mA          | 80   |      | 100  | mcd  |
| Spectrum Width Of Half Value                                         | $\Delta\lambda$ | If=20mA          |      | 22   |      | nm   |
| Wavelength                                                           | D $\lambda$     | If=20mA          | 620  |      | 625  | 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

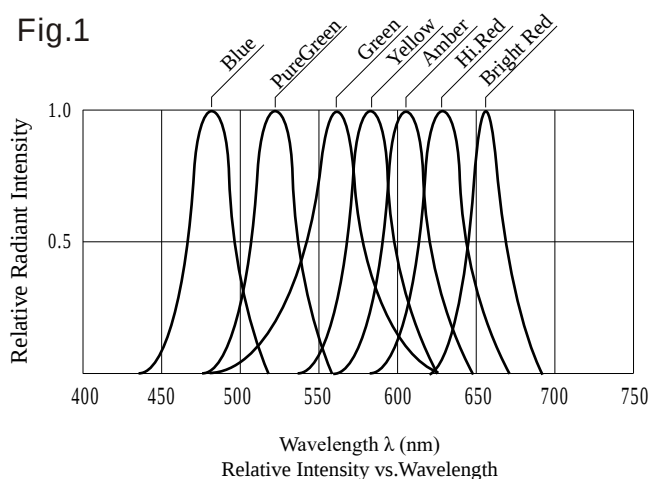


Fig.2

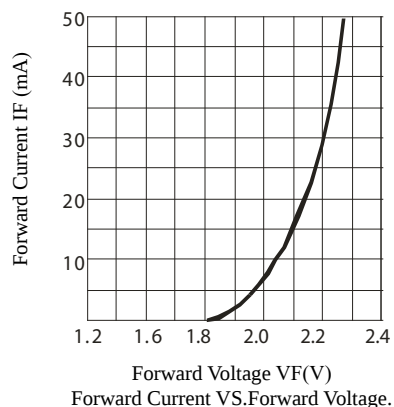


Fig.3

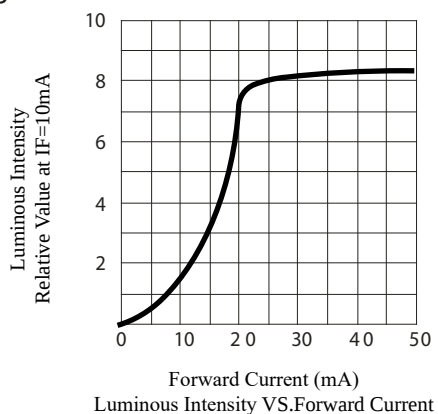


Fig.4

