



光之宝
lightBO

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

SPECIFICATION FOR APPROVAL

DESCRIPTION : 3Digits 0.54" Common cathode white Alphanumeric LED Display

PART NUMBER : LB30541LWH3B-D

CUSTOMER : _____

拟制 (PREPARED BY) : LI PEIWEI

审核 (CHECKED BY) : WEN WU

批准 (APPROVED BY) : LIU ZHIYONG

日期 (DATE): 2022.03.30

客户承认 (APPROVED BY CUSTOMER):

签名 (SIGNED): _____ 职务 (TITLE): _____ 日期 (DATE): _____

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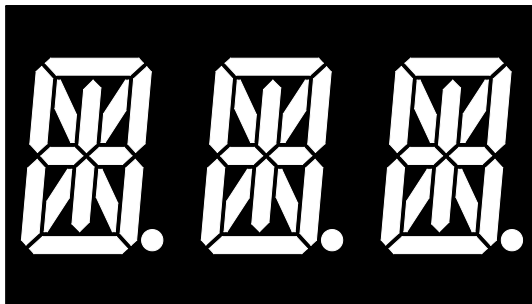
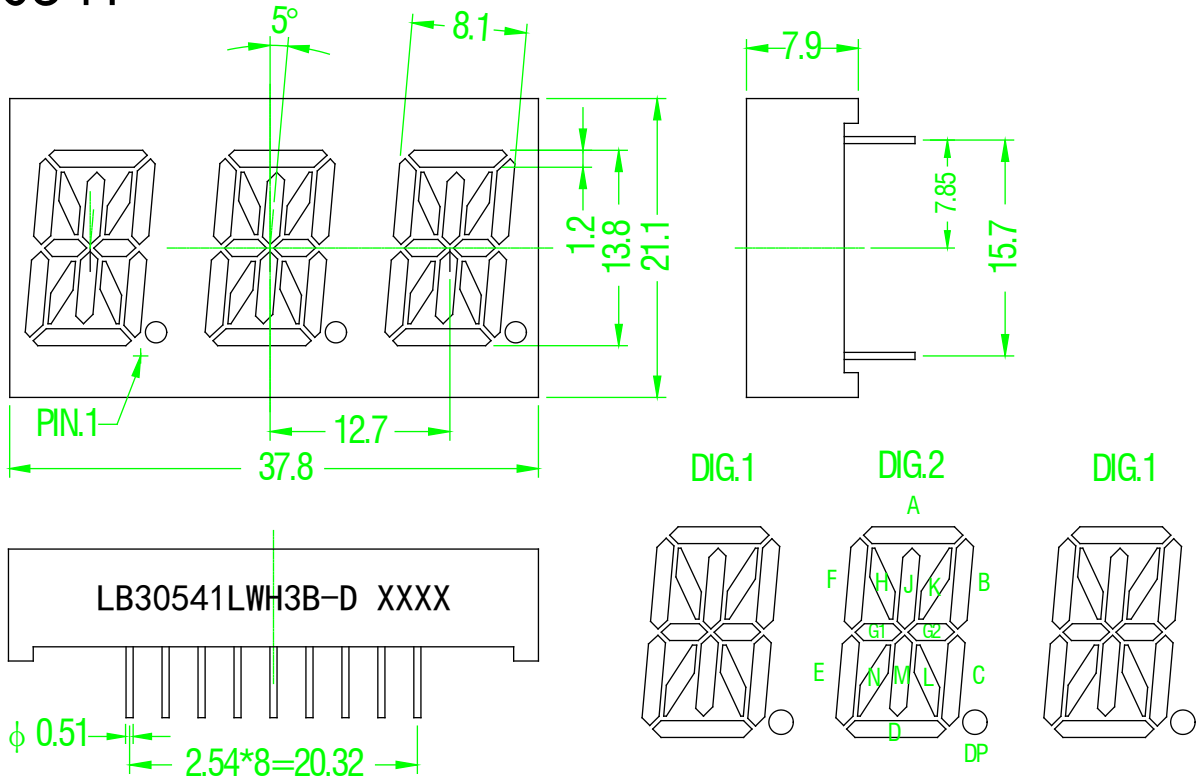
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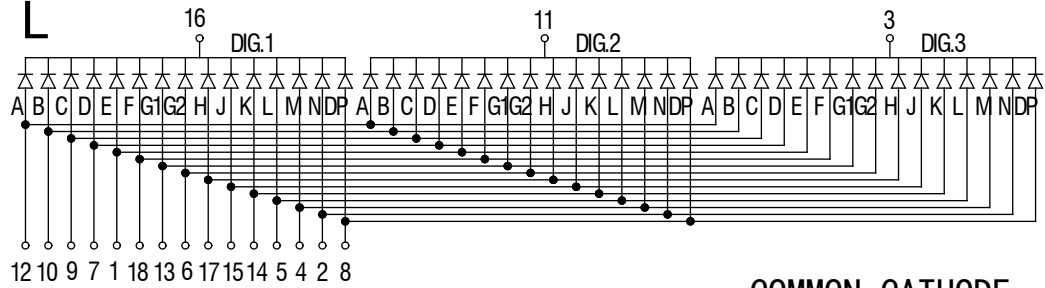
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LB30541



CODE L



COMMON CATHODE



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LB30541LWH3B-D

Alphanumeric LED Display

一 . Characteristics

01. Package Dimensions:37.8*21.1*7.9mm
02. Digit height : 13.8mm(0.54inch)
03. Polarity: Common Cathode
04. Yellow Epoxy Black Surface
05. Emitting colour: Ultra bright white
- 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 (Ta = 25°C)

| Parameter | Symbol | Ratings | Unit |
|--|-----------|---------|------|
| Forward Current (per led) | I_{PM} | 20 | mA |
| Reverse Voltage(per led) | V_R | 5 | V |
| Power Dissipation (per led) | P_M | 70 | mW |
| Operating Temperature | T_{opr} | -40~+85 | °C |
| Storage Temperature | T_{STg} | -40~+85 | °C |
| Solder Temperature (≤ 3 seconds) | T_h | 260 | °C |

Code:WH -Ultra Bright White

| Parameter | Symbol | Condition | Min. | Typ. | Max. | Unit |
|--|--------|-----------|----------------|------|------|------|
| Forward Voltage (Per dice) | Vf | If=20mA | 2.8 | 3.0 | 3.2 | V |
| Reverse Voltage (Per dice) | Vr | Ir=40uA | | 5 | | V |
| Luminous Intensity (Per dice) | Iv | If=20mA | 100 | | 120 | mcd |
| Chromaticity Coordinates | X | If=20mA | 0.29 | | 0.33 | nm |
| Chromaticity Coordinates | Y | If=20mA | 0.29 | | 0.33 | nm |
| Peak Forward Current (Per dice) 1/10 Duty Cycle,0.1ms Pulse | Ifp | | 100 | | | 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 Ta=25•

Fig.1

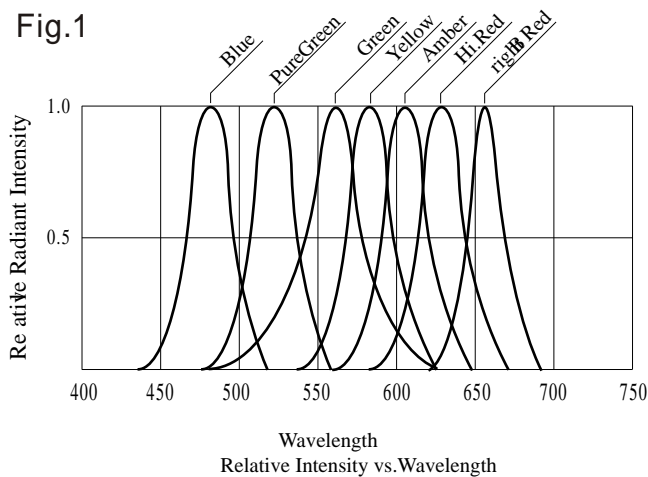


Fig.2

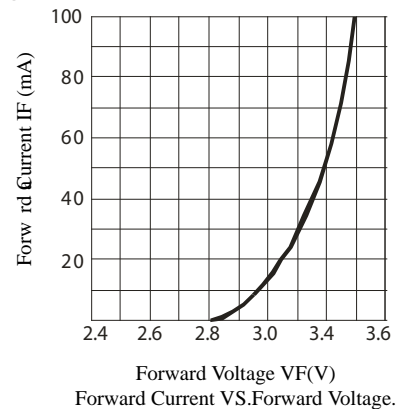


Fig.3

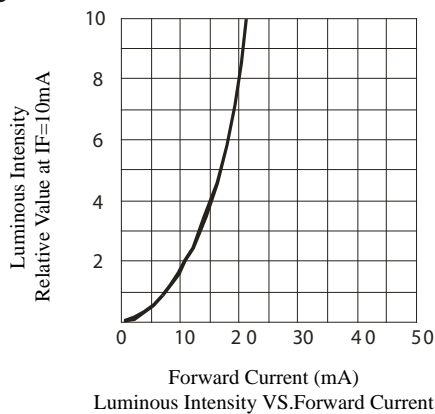
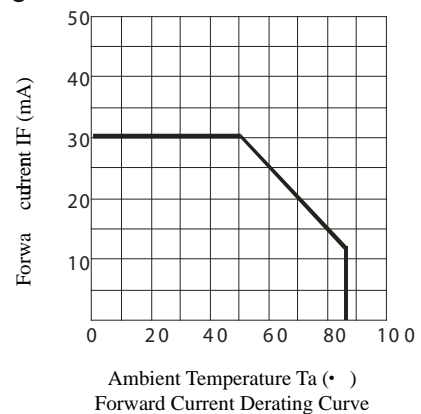


Fig.4



LED working lifetime 100,000 hrs
Absolute Maximum Rating at Ta=25℃