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| <b>0.3 Inch Two Digit Display</b>        |
| <b>OSL20301-IX (Common Anode type)</b>   |
| <b>OSL20301-LX (Common Cathode type)</b> |

■ **Features**

- 0.3 Inch Two Digit Display
- Long lifetime operation
- IC compatible
- Low power dissipation
- Black surface & white segment or dot

■ **Applications**







- Counting device
- Clock

■ **Absolute Maximum Rating** (Ta=25°C)

| Item   | Symbol          | Value      |       | Unit |
|--|-----------------|------------|-------|------|
|  |                 | RA/R/YG/Y  | B/G/W |      |
| DC Forward Current                                   | I <sub>F</sub>  | 20         | 20    | mA   |
| Pulse Forward Current*                               | I <sub>FP</sub> | 100        | 100   | mA   |
| Reverse Voltage                                      | V <sub>R</sub>  | 5          | 5     | V    |
| Power Dissipation                                    | P <sub>t</sub>  | 44         | 66    | mW   |
| Operating Temperature                                | Topr            | -30 ~ +70  |       | °C   |
| Storage Temperature                                  | Tstg            | -40~ +85   |       | °C   |
| Lead Soldering Temperature(1.6mm from seating plane) | Tsol            | 260°C/5sec |       | °C   |

\*Pulse width Max.10ms Duty ratio max 1/10

■ **Electrical -Optical Characteristics** (Ta=25°C)

| Part Number       | Color              |    | V <sub>F</sub> (V)  |      |      | I <sub>R</sub> (μA) | I <sub>v</sub> (mcd) |      |      | λD(nm)        |      |      |   |
|-------------------|--------------------|----|---|------|------|---------------------|----------------------|------|------|---------------|------|------|---|
|                   |                    |    | Min.  | Typ. | Max. | Max.                | Min.                 | Typ. | Max. | Min.          | Typ. | Max. |   |
|                   |                    |    | I <sub>F</sub> =20mA  |      |      | V <sub>R</sub> =5V  | I <sub>F</sub> =20mA |      |      |               |      |      |   |
| OSL20301-IW(LW)   | White              | W  | -   | 3.3  | 3.6  | 20                  | -                    | 65   | -    | X=0.27,Y=0.28 |      |      |   |
| OSL20301-IB(LB)   | Blue               | B  |  | -    | 3.3  | 3.6                 | 20                   | -    | 50   | -             | -    | 470  | - |
| OSL20301-IG(LG)   | Pure Green         | G  |  | -    | 3.3  | 3.6                 | 20                   | -    | 200  | -             | -    | 525  | - |
| OSL20301-IYG(LYG) | Yellow Green       | YG |  | -    | 2.2  | 2.6                 | 20                   | -    | 12   | -             | -    | 571  | - |
| OSL20301-IY(LY)   | Yellow             | Y  |  | -    | 2.1  | 2.5                 | 20                   | -    | 60   | -             | -    | 590  | - |
| OSL20301-IR(LR)   | Red                | R  |  | -    | 2.1  | 2.5                 | 20                   | -    | 20   | -             | -    | 640  | - |
| OSL20301-IRA(LRA) | High Luminance Red | RA |  | -    | 2.1  | 2.5                 | 20                   | -    | 100  | -             | -    | 625  | - |

\*1 Tolerance of measurements of dominant wavelength is±1nm

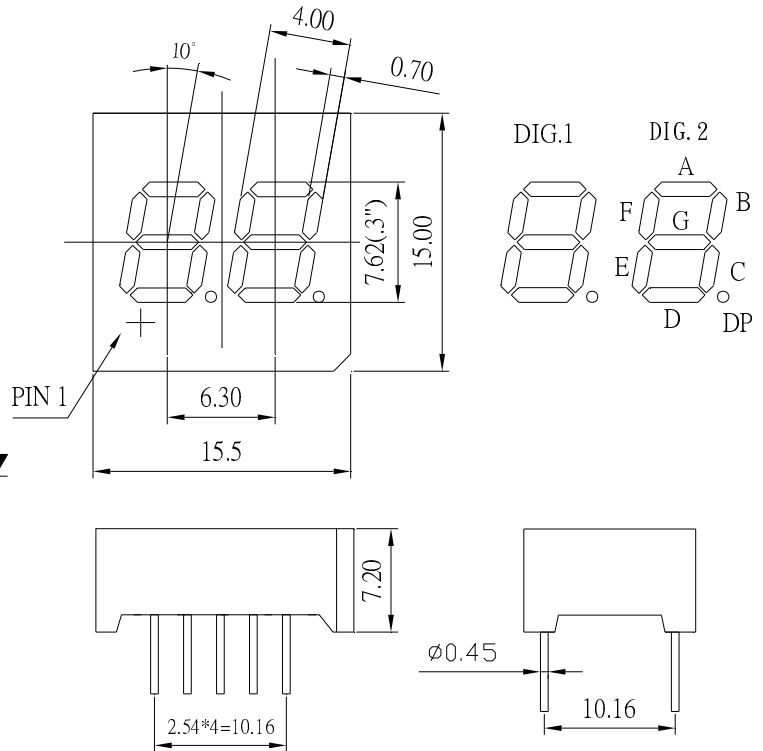
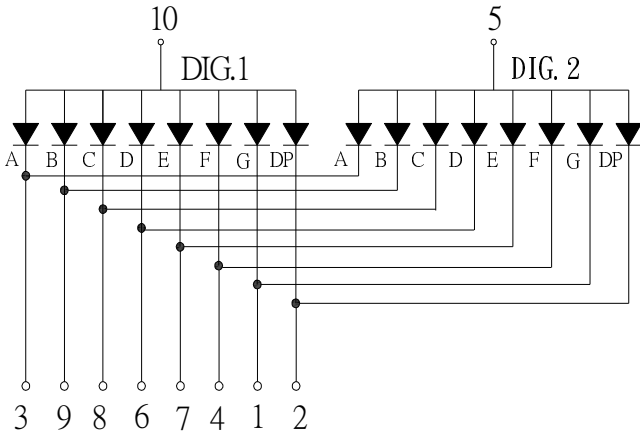
\*2 Tolerance of measurements of luminous intensity is±15%

\*3 Tolerance of measurements of forward voltage is±0.1V

**■ Package Dimensions and Pin Function**

**OSL20301-IX  
(Common Anode type)**

Note:  
1, Unit : mm (Tolerance: ±0.25mm unless otherwise noted)  
2, The slope angle of any PIN may be ±5.0° Max



**OSL20301-LX  
(Common Cathode type)**

Note:  
1, Unit : mm (Tolerance: ±0.25mm unless otherwise noted)  
2, The slope angle of any PIN may be ±5.0° Max

