

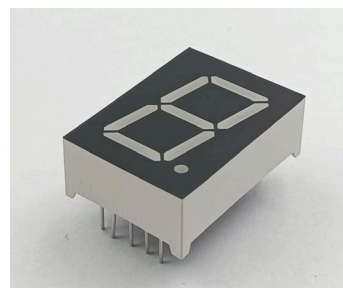
## ■ Features

- 0.8 Inch Single Digit Display
- Long lifetime operation
- IC compatible
- Low power dissipation
- Black surface & white segment or dot
- Number of pins :10

## ■ Applications

- Counting device
- Clock

## ■ Photo



| Item                                                 | Symbol           | Value      |       | Unit |
|------------------------------------------------------|------------------|------------|-------|------|
|                                                      |                  | RA/R/YG/Y  | W/B/G |      |
| 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>   | 48         | 68    | mW   |
| Operating Temperature                                | T <sub>opr</sub> | -30 ~ +70  |       | °C   |
| Storage Temperature                                  | T <sub>stg</sub> | -40 ~ +85  |       | °C   |
| Lead Soldering Temperature(1.6mm from seating plane) | T <sub>sol</sub> | 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 |      |      |                 |      |      |
| OSL10807-IW(LW)   | White              | W  |                                                                                     | -                    | 2.9  | 3.4  | 20                  | -                    | 100  | -    | CCT:8500-18000K |      |      |
| OSL10807-IB(LB)   | Blue               | B  |  | -                    | 2.9  | 3.4  | 20                  | -                    | 50   | -    | 460             | 470  | 475  |
| OSL10807-IG(LG)   | Pure Green         | G  |  | -                    | 2.9  | 3.4  | 20                  | -                    | 200  | -    | 515             | 525  | 530  |
| OSL10807-IYG(LYG) | Yellow Green       | YG |  | -                    | 2.9  | 2.4  | 20                  | -                    | 12   | -    | 560             | 570  | 575  |
| OSL10807-IY(LY)   | Yellow             | Y  |  | -                    | 2.0  | 2.4  | 20                  | -                    | 60   | -    | 585             | 590  | 595  |
| OSL10807-IO(LO)   | Orange             | O  |  | -                    | 2.0  | 2.4  | 20                  | -                    | 70   | -    | 600             | 605  | 610  |
| OSL10807-IR(LR)   | Red                | R  |  | -                    | 2.0  | 2.4  | 20                  | -                    | 20   | -    | 625             | 630  | 640  |
| OSL10807-IRA(LRA) | High Luminance Red | RA |  | -                    | 2.0  | 2.4  | 20                  | -                    | 100  | -    | 620             | 625  | 630  |

\*1 Tolerance of measurements of color temperature is ±10%

\*2 Tolerance of measurements of dominant wavelength is ±1nm

\*3 Tolerance of measurements of luminous intensity is ±15%

\*4 Tolerance of measurements of forward voltage is ±0.1V

■ Package Dimensions and Pin Function

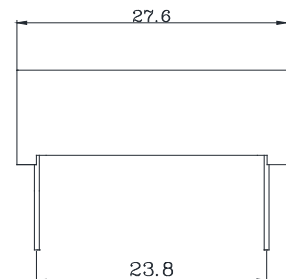
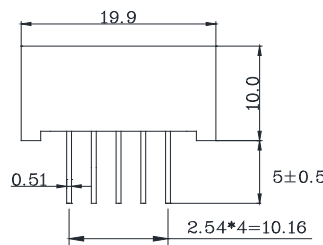
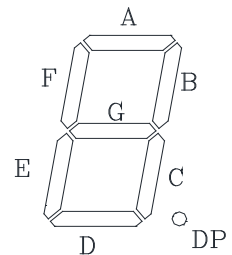
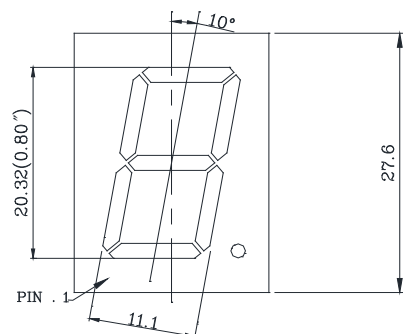
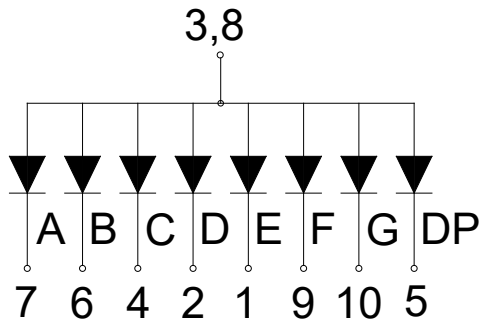
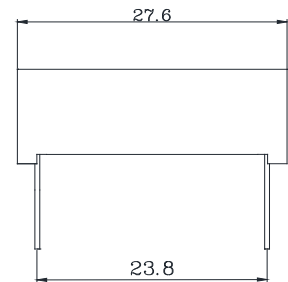
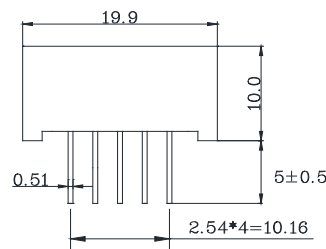
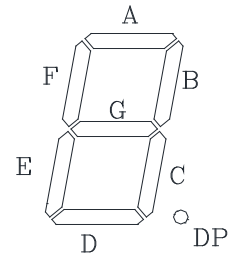
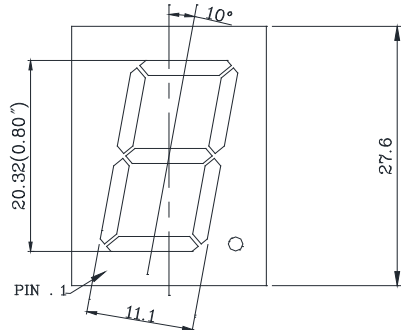
**OSL10807-IX**

**(Common Anode type)**

Note:

1, Unit : mm (Tolerance:  $\pm 0.25$ mm unless otherwise noted)

2, The slope angle of any PIN may be  $\pm 5.0^\circ$  Max



**OSL10807-LX**

**(Common Cathode type)**

Note:

1, Unit : mm (Tolerance:  $\pm 0.25$ mm unless otherwise noted)

2, The slope angle of any PIN may be  $\pm 5.0^\circ$  Max

