

# CL-198S シリーズ

Mono-Color Upward-Lighting Type CL-198S Series



1.6(L)×0.8(W)×0.2(H)mm

● 小型・超薄型の白色LEDです。

● Compact and ultra-thin white LED

## ●絶対最大定格/Absolute Maximum Rating※1 (Ta 25°C)

| Product code | Pd (mW) | IF (mA) | IFP※2 (mA) | VR (V) | Top (°C) | Tst (°C) |
|--------------|---------|---------|------------|--------|----------|----------|
| CL-198S-WR   | 76      | 20      | 50         | 5      | -25~+80  | -30~+85  |
| CL-198S-WS   | 76      | 20      | 50         | 5      | -25~+80  | -30~+85  |

※1 1素子当たりの値です。/The values are based on 1-die performance.

※2 IFPの条件はduty 1/10、パルス巾30msecです。/Condition for IFP is pulse of 1/10 duty and 30msec width.

## ●電気的光学的特性/Electro-optical Characteristics (Ta 25°C)

| Parameter                       |            | Symbol | Conditions | MIN               | TYP  | MAX  | Unit |  |
|---------------------------------|------------|--------|------------|-------------------|------|------|------|--|
| 順電圧/<br>Forward Voltage※1       | CL-198S-WR | VF     | IF=5mA     | —                 | 2.9  | 3.15 | V    |  |
|                                 | CL-198S-WS |        |            | —                 | 2.9  | 3.15 |      |  |
| 逆電流/Reverse Current※1           |            | IR     | VR=5V      | —                 | —    | 2    | μA   |  |
| 光度/<br>Luminous Intensity※2     | CL-198S-WR | Iv     | IF=5mA     | 140               | 200  | —    | mcd  |  |
|                                 | CL-198S-WS |        |            | 180               | 260  | —    |      |  |
| 色度座標/Chromaticity coordinates※3 |            | x, y   | IF=5mA     | x(±0.02) y(±0.02) |      |      |      |  |
|                                 |            |        |            | a                 | 0.28 | 0.24 |      |  |
|                                 |            |        |            | b                 | 0.28 | 0.30 |      |  |
|                                 |            |        |            | c                 | 0.35 | 0.39 |      |  |
|                                 |            | d      | 0.35       | 0.29              |      |      |      |  |

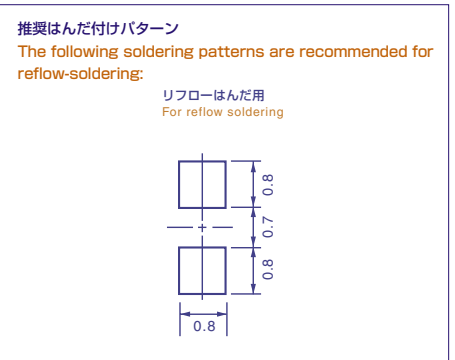
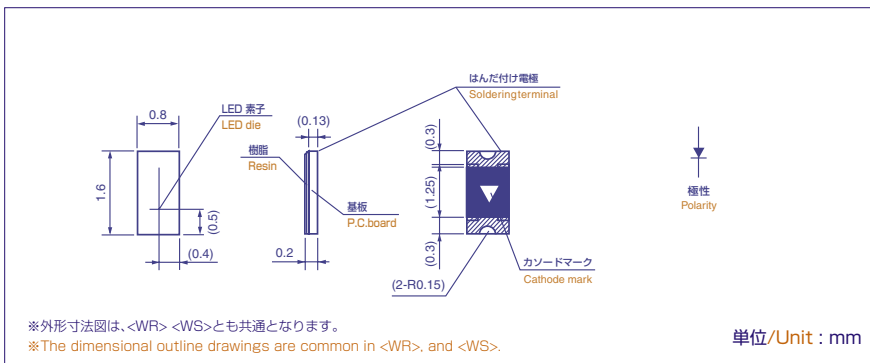
※1 1素子当たりの値です。/The values are based on 1-die performance.

※2 NIST規格に準拠、各素子同時点灯時の値です。

Compliant with NIST. The values are based on the condition that each die lights simultaneously.

※3 色度座標は、a、b、c、dに囲まれた範囲です。/Chromaticity coordinates is surrounded with a,b,c,d.

## ●外形寸法図/Outline drawing



## ■ 諸特性 / Characteristics

\* <WS>につきましてはカタログ不掲載のため、詳細につきましてはお問い合わせください。

\* <WS> are not listed in this catalog. Please consult with us for details.

