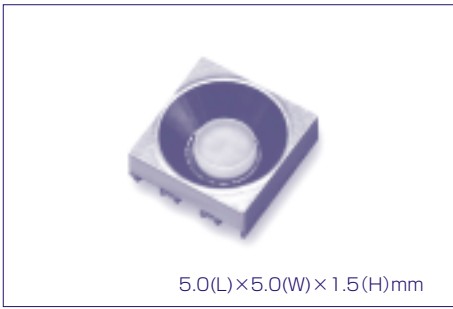


# CL-591S シリーズ

LED For Flash Light Source **CL-591S Series**



5.0(L)×5.0(W)×1.5(H)mm

- リフレクター付きの高出力タイプです。
- High output type with reflector equipped.

## ●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-591S-4WN  | 72      | 20      | 100        | 5      | -25~+80  | -30~+85  |
| CL-591S-4WQ  | 72      | 20      | 100        | 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       | VF     | If=20mA    | CL-591S-4WN       | —    | 3.2  | 3.6  | V  |
|                                 |        |            | CL-591S-4WQ       | —    | 3.2  | 3.6  |    |
| 逆電流/Reverse Current※1           | IR     | Vr=5V      | —                 | —    | 100  | μA   |    |
| 光度/<br>Luminous Intensity※2     | Iv     | If=20mA    | CL-591S-4WN       | 6.6  | 12.0 | —    | cd |
|                                 |        |            | CL-591S-4WQ       | —    | 14.4 | —    |    |
| 色度座標/Chromaticity coordinates※3 | x, y   | If=20mA    | x(±0.02) y(±0.02) |      |      |      |    |
|                                 |        |            | a                 | 0.27 | 0.22 |      |    |
|                                 |        |            | b                 | 0.27 | 0.29 |      |    |
|                                 |        |            | c                 | 0.35 | 0.40 |      |    |
|                                 |        |            | d                 | 0.35 | 0.33 |      |    |

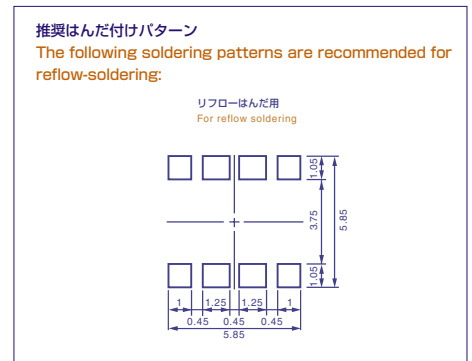
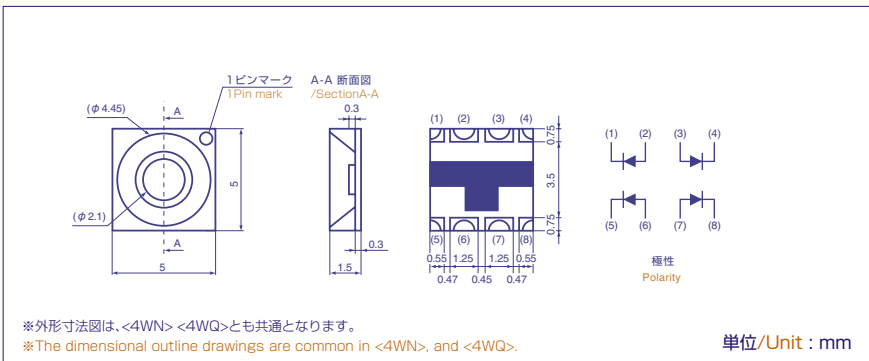
※1 1素子当たりの値です。/The values are based on 1-die performance.

※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

\* <4WQ>につきましてはカタログ掲載のため、詳細につきましてはお問い合わせください。  
\* <4WQ> are not listed in this catalog. Please consult with us for details.

