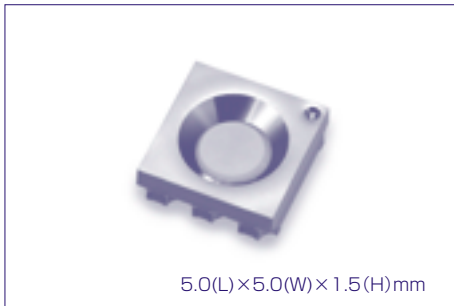


# CL-597S Series

LED For Flash Light Source **CL-597S 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-597S-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duty1/10、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 Forward Voltage*1              | $V_F$  | $I_F=20\text{mA}$ | —   | 3.2           | 3.6           | V             |
| 逆電流 Reverse Current*1              | $I_R$  | $V_R=5\text{V}$   | —   | —             | 100           | $\mu\text{A}$ |
| 光度 Luminous Intensity*2            | $I_v$  | $I_F=20\text{mA}$ | —   | 14.4          | —             | cd            |
| 色度座標<br>Chromaticity coordinates*3 | x, y   | $I_F=20\text{mA}$ |     | $x(\pm 0.02)$ | $y(\pm 0.02)$ |               |
|                                    |        |                   | a   | 0.27          | 0.22          |               |
|                                    |        |                   | b   | 0.27          | 0.29          |               |
|                                    |        |                   | c   | 0.35          | 0.40          |               |
| d                                  | 0.35   | 0.33              |     |               |               |               |

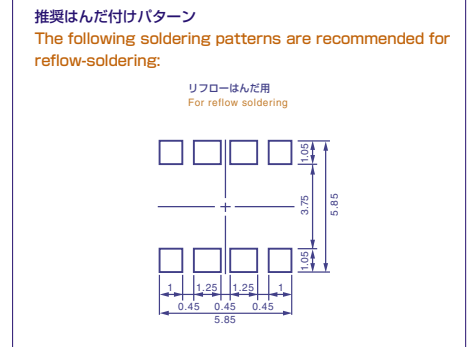
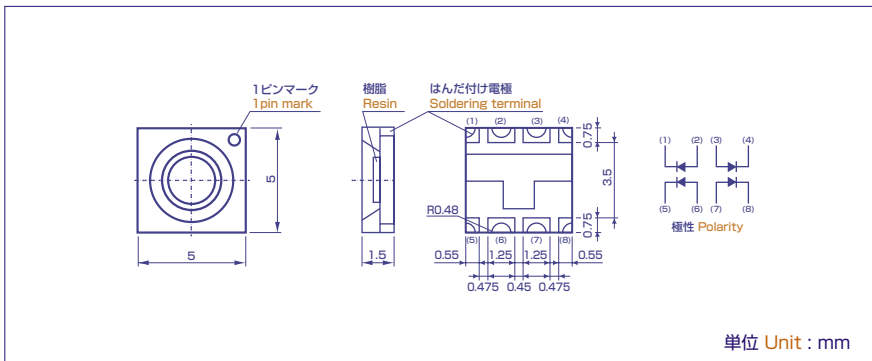
\*1 1素子当たりの値です。The values are based on 1-die performance.

\*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

