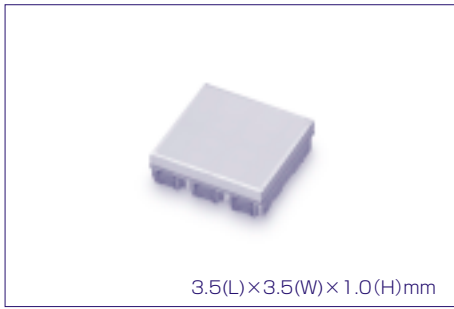


# CL-473S シリーズ

LED For Flash Light Source CL-473S Series



3.5(L)×3.5(W)×1.0(H)mm

## ●絶対最大定格/Absolute Maximum Rating<sup>※1</sup>

(Ta 25°C)

| Product code | Pd (mW) | IF (mA) | IFP <sup>※2</sup> (mA) | VR (V) | Top (°C) | Tst (°C) |
|--------------|---------|---------|------------------------|--------|----------|----------|
| CL-473S-4WN  | 72      | 20      | 100                    | 5      | -25~+80  | -30~+85  |
| CL-473S-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 <sup>※1</sup>       | VF     | IF=20mA    | CL-473S-4WN       | 3.2  | 3.6  | V    |    |
|   |        |            | CL-473S-4WQ       | 3.2  | 3.6  |      |    |
| 逆電流/Reverse Current <sup>※1</sup>           | IR     | VR=5V      | —                 | —    | 100  | μA   |    |
| 光度/<br>Luminous Intensity <sup>※2</sup>     | Iv     | IF=20mA    | CL-473S-4WN       | 4.8  | 8.0  | —    | cd |
|   |        |            | CL-473S-4WQ       | —    | 8.8  | —    |    |
| 色度座標/Chromaticity coordinates <sup>※3</sup> | 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              |      |      |      |    |

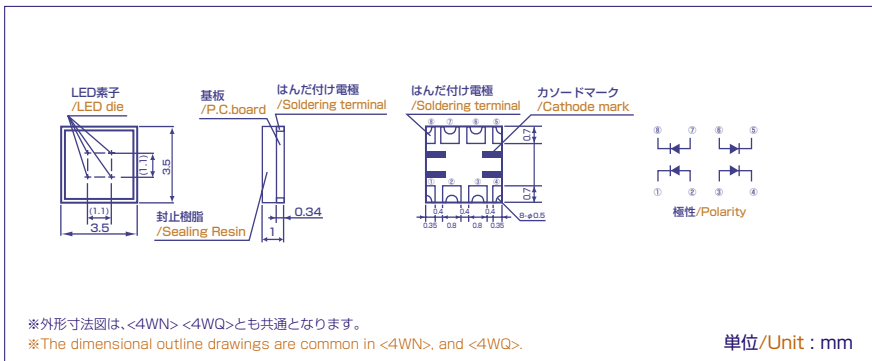
※1 1素子当たりの値です。/The values are based on 1-die performance.

※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

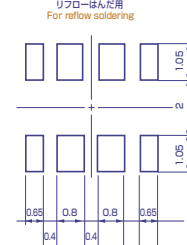


※外形寸法図は、<4WN> <4WQ>とも共通となります。

※The dimensional outline drawings are common in <4WN>, and <4WQ>.

### 推奨はんだ付けパターン

The following soldering patterns are recommended for reflow soldering:



## ■ 諸特性 / Characteristics

\* <4WQ>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。

\* <4WQ> are not listed in this catalog. Please consult with us for details.

