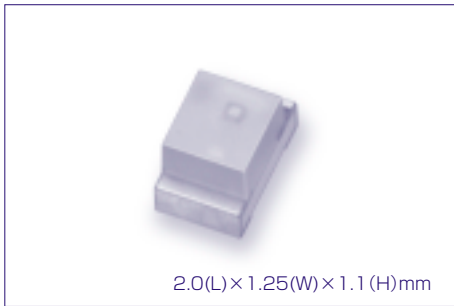


# CL-170 Series

Mono-Color Upward-Lighting Type **CL-170 Series**



● 小型のチップLEDです。

● Compact chip LED

発光色のラインアップにつきましては、発注時にお問い合わせの上、ご確認ください。

Please contact us at the time of order for the lineup of luminescent colors.

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

| Product code                          | Pd (mW) | I <sub>F</sub> (mA) | I <sub>FP</sub> (mA) | V <sub>R</sub> (V) | Top (°C) | Tst (°C) |
|---------------------------------------|---------|---------------------|----------------------|--------------------|----------|----------|
| CL-170 (UR,HRを除く)<br>Except UR and HR | 65      | 25                  | 100*1                | 5                  | -25~+80  | -30~+85  |
| CL-170UR/HR                           | 78      | 30                  |                      |                    |          |          |

\*1 I<sub>FP</sub>の条件はduty 1/10、パルス巾30msecです。

\*1 Conditions for I<sub>FP</sub> are pulse of 1/10 duty and 30msec width.

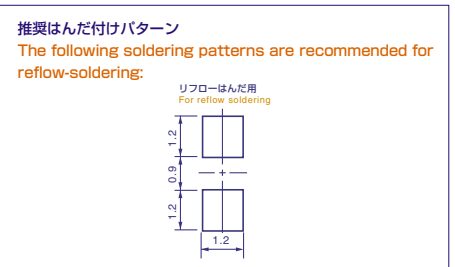
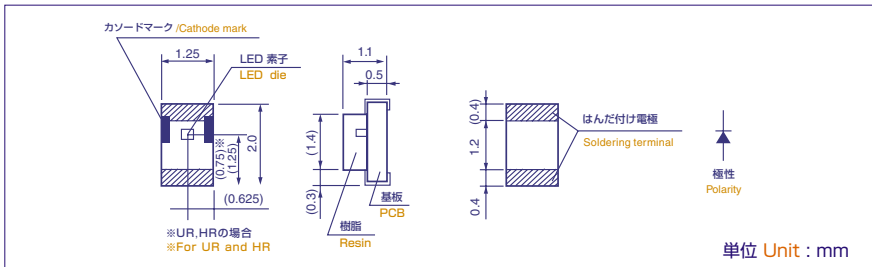
## ●電気的光学的特性 Electro-optical Characteristics (Ta 25°C)

| Product code | Color variation         | V <sub>F</sub>      |         |         | λ <sub>d</sub> (nm) | Δλ (nm) | I <sub>v</sub> * (mcd) |           |           |
|--------------|-------------------------|---------------------|---------|---------|---------------------|---------|------------------------|-----------|-----------|
|              |                         | I <sub>F</sub> (mA) | typ (V) | max (V) |                     |         | I <sub>F</sub> (mA)    | min (mcd) | typ (mcd) |
| CL-170R      | Red                     | 20                  | 2.2     | 2.6     | 645                 | 100     | 20                     | 0.5       | 1.3       |
| CL-170D      | Orange                  | 20                  | 2.2     | 2.6     | 600                 | 40      | 20                     | 2.4       | 7.1       |
| CL-170Y      | Yellow                  | 20                  | 2.1     | 2.6     | 589                 | 40      | 20                     | 2.6       | 6.4       |
| CL-170YG     | Yellow green            | 20                  | 2.2     | 2.6     | 575                 | 30      | 20                     | 5         | 18        |
| CL-170G      | Green                   | 20                  | 2.2     | 2.6     | 570                 | 26      | 20                     | 2.5       | 10        |
| CL-170FG     | Fresh green             | 20                  | 2.2     | 2.6     | 566                 | 26      | 20                     | 2.2       | 6.5       |
| CL-170PG     | Pure green              | 20                  | 2.2     | 2.6     | 559                 | 24      | 20                     | 1         | 3         |
| CL-170SR     | Super brightness red    | 20                  | 2       | 2.6     | 640                 | 40      | 20                     | 1.5       | 4.3       |
| CL-170SD     | Super brightness orange | 20                  | 2       | 2.6     | 620                 | 40      | 20                     | 2         | 6.2       |
| CL-170UR     | Ultra brightness red    | 20                  | 1.8     | 2.6     | 650                 | 20      | 20                     | 3.5       | 13        |
| CL-170HR     | High brightness red     | 20                  | 1.8     | 2.6     | 640                 | 20      | 20                     | 5         | 23        |

\*NIST規格に準拠

\*Per NIST standards

## ●外形寸法図 Outline drawing



## ■ 諸特性 Characteristics

