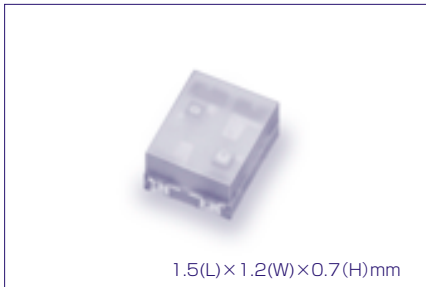


# CL-165 Series

Multi-Color Upward-Lighting Type **CL-165 Series**



- 2色発光タイプの小型チップLEDです。
- 2-colored illuminated type compact chip LED

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

| Series | Lighting color | P*1 (mW) | Pd (mW) | If (mA) | IFP (mA) | VR (V) | Top (°C) | Tst (°C) |
|--------|----------------|----------|---------|---------|----------|--------|----------|----------|
| CL-165 | YG             | 90       | 65      | 25      | 100*2    | 5      | -25~+80  | -30~+85  |
|        | HR             |          | 78      | 30      |          |        |          |          |

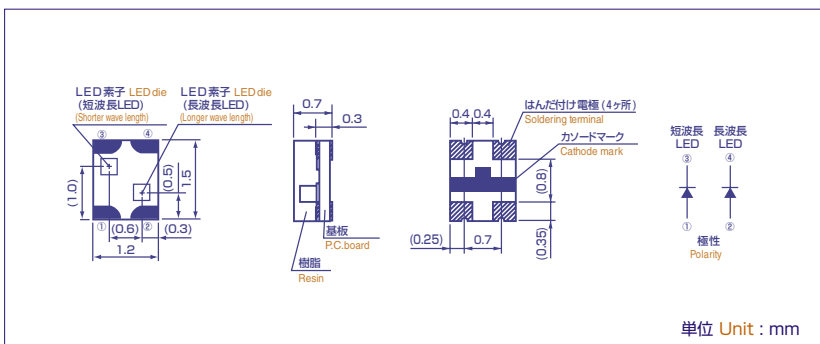
- \*1 Pは同時点灯時の全許容損失を示します。
- \*1 P means total value of power dissipation when both colors are on.
- \*2 IFPの条件はduty 1/10、パルス巾30msecです。
- \*2 Condition for IFP is pulse of 1/10 duty and 30msec width.

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

| Product code | Lighting color      | VF      |         |         | λp typ (nm) | Δλ typ (nm) | IV*     |           |           |
|--------------|---------------------|---------|---------|---------|-------------|-------------|---------|-----------|-----------|
|              |                     | If (mA) | typ (V) | max (V) |             |             | If (mA) | min (mcd) | typ (mcd) |
| CL-165HR/YG  | Yellow green        | 20      | 2.2     | 2.6     | 570         | 30          | 20      | 5.0       | 18        |
|              | High brightness red | 20      | 1.8     | 2.6     | 660         | 20          | 20      | 5.0       | 23        |

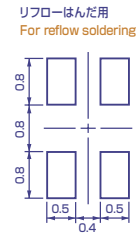
- \*NIST規格に準拠
- \*Per NIST standards

## ●外形寸法図 Outline drawing



### 推奨はんだ付けパターン

The following soldering patterns are recommended for reflow-soldering:



## ■ 諸特性 Characteristics

