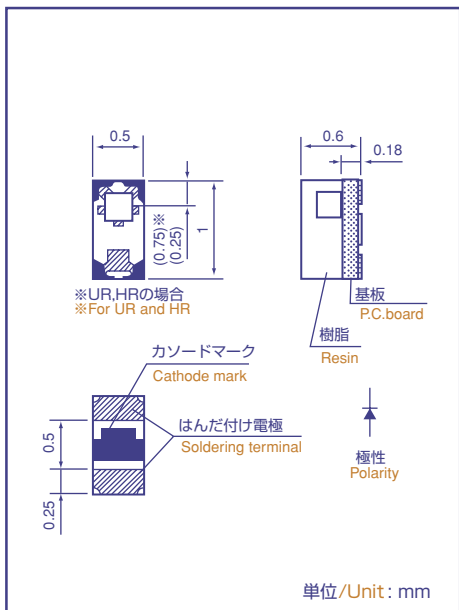


# CL-280 シリーズ

## CL-280 Series



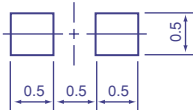
### ■外形寸法図/Outline drawing



#### 推奨はんだ付けパターン

The following soldering patterns are recommended for reflow soldering:

リフローはんだ用  
For reflow soldering



## 特徴 / Features

1. 1.0(L)×0.5(W)×0.6(H)mmの超小型・超薄型LEDです。
2. 光度等は弊社小型サイズ品と同等の特性を有しています。

1. This LED is extremely thin and compact 1.0(L)×0.5(W)×0.6(H)mm.
2. Brightness and other properties are the same as those of our other compact products.

### ■絶対最大定格/Absolute Maximum Rating

(Ta 25°C)

シリーズ Series	Pd (mW)	I <sub>F</sub> (mA)	I <sub>FP</sub> (mA)	V <sub>R</sub> (V)	Top (°C)	Tst (°C)
CL-280 (UR,HRを除く Except UR and HR)	50	20	100*1	5	-25~+80	-30~+85
CL-280UR/HR	78	30				

\*1 I<sub>FP</sub>の条件はduty 1/10、パルス幅0.1msecです。

\*1 Condition for I<sub>FP</sub> is pulse of 1/10 duty and 0.1msec width.

### ■電気的光学的特性/Electro-optical Characteristics

(Ta 25°C)

部品コード Code for parts	発光色 Lighting color	V <sub>F</sub>			λ <sub>p</sub> typ (nm)	Δλ typ (nm)	I <sub>v</sub> * typ (mcd)		
		I <sub>F</sub> (mA)	typ (V)	max (V)			I <sub>F</sub> (mA)	min (mcd)	typ (mcd)
CL-280R	Red	20	2.2	2.6	700	100	20	0.5	1.3
CL-280D	Orange	20	2.2	2.6	605	40	20	2.4	7.1
CL-280Y	Yellow	20	2.1	2.6	589	40	20	2.6	6.4
CL-280LY	Lemon yellow	20	2.1	2.6	584	40	20	2.6	6.4
CL-280YG	Yellow green	20	2.2	2.6	570	30	20	5	18
CL-280G	Green	20	2.2	2.6	567	26	20	2.5	10
CL-280FG	Fresh green	20	2.2	2.6	560	26	20	2.2	6.5
CL-280PG	Pure green	20	2.2	2.6	557	24	20	1	3
CL-280SR	Super brightness red	20	2	2.6	650	40	20	1.5	4.3
CL-280SD	Super brightness orange	20	2	2.6	630	40	20	2	6.2
CL-280UR	Ultra brightness red	20	1.8	2.6	660	20	20	3.5	13
CL-280HR	High brightness red	20	1.8	2.6	660	20	20	5	23

\*NIST規格に準拠

\*Per NIST standards

## 諸特性 / Characteristics

