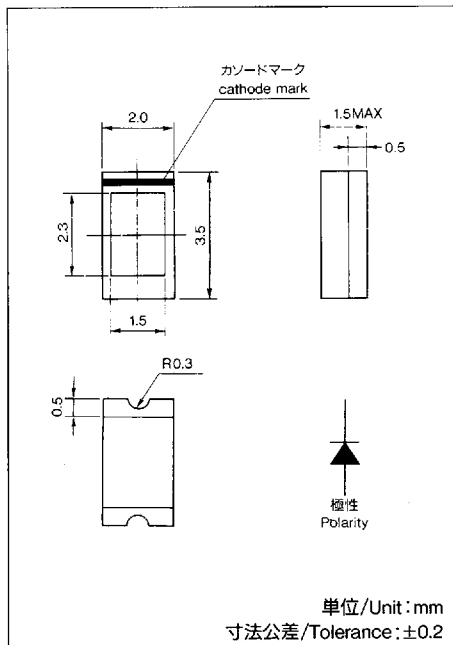


CHIP LEDs

CITILED®

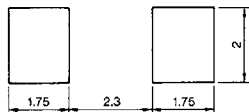
CL-140シリーズ
CL-140 Series

■外形寸法図/Outline drawing



推奨はんだ付けパターン

The following soldering pattern is recommended for reflow soldering:

リフローはんだ用
For reflow soldering

■特徴

1. 上面に枠を取り付けた狭指向性の高輝度LEDランプです。
2. 単色発光タイプです。
3. 外形寸法は3.5(L)×2.0(W)×1.3(H)mmの標準型です。
4. 発光色は標準輝度タイプが赤・橙・黄・黄緑・緑・新緑・純緑の7色。高輝度タイプが赤・橙の2色、超高輝度タイプは赤の1色です。

■Features

1. High brightness with narrow directive characteristics is obtained by provision of frame on the top side.
2. Mono-color type
3. Dimensions: 3.5(L)×2.0(W)×1.3(H)mm, being a standard size
4. Standard brightness type has seven colors such as red, orange, yellow, yellow green, green, fresh green and pure green. Super brightness type has two colors of red and orange. Ultra brightness type has one color of red.

■絶対最大定格/Absolute Maximum Ratings

(Ta 25°C)

シリーズ Series	Pd (mW)	I _F (mA)	I _{FP} (mA)	V _R (V)	Top (°C)	Tst (°C)
CL-140	65	25	100*	5	-25~+80	-30~+85

*1 I_{FP}の条件はduty 1/10、パルス巾0.1msecです。*1 Condition for I_{FP} 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 _F			λ_p typ (nm)	$\Delta\lambda$ typ (nm)	I _v		
		I _F (mA)	typ (V)	max (V)			I _F (mA)	min (mcd)	typ (mcd)
CL-140R	Red	20	2.2	2.6	700	100	20	1.3	3.0
CL-140D	Orange	20	2.2	2.6	605	40	20	6.0	17.0
CL-140Y	Yellow	20	2.1	2.6	589	40	20	6.5	15.5
CL-140YG	Yellow green	20	2.2	2.6	570	30	20	14.0	50.0
CL-140G	Green	20	2.2	2.6	567	26	20	6.5	26.0
CL-140FG	Fresh green	20	2.2	2.6	560	26	20	6.0	17.0
CL-140PG	Pure green	20	2.2	2.6	557	24	20	2.5	8.0
CL-140SR	Super brightness red	20	2.0	2.6	650	40	20	4.0	12.0
CL-140SD	Super brightness orange	20	2.0	2.6	630	40	20	6.0	17.0
CL-140UR	Ultra brightness red	20	1.8	2.6	660	20	20	9.0	32.5

■諸特性/Characteristics

