

# CL-194S Series

Mono-Color Upward-Lighting Type **CL-194S Series**



1.6(L)×0.8(W)×0.3(H)mm

● 小型・薄型の白色LEDです。

● Compact and thin white LED

## ●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-194S-WS	76	20	50	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duty1/10、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 Forward Voltage <sup>※1</sup>	V <sub>F</sub>	If=5mA	—	2.9	3.15	V
逆電流 Reverse Current <sup>※1</sup>	I <sub>R</sub>	VR=5V	—	—	2	μA
光度 Luminous Intensity <sup>※2</sup>	I <sub>v</sub>	If=5mA	140	260	—	mcd
色度座標 Chromaticity coordinates <sup>※3</sup>	x, y	If=5mA		x(±0.02)	y(±0.02)	
			a	0.28	0.236	
			b	0.28	0.301	
			c	0.34	0.386	
d	0.34	0.321				

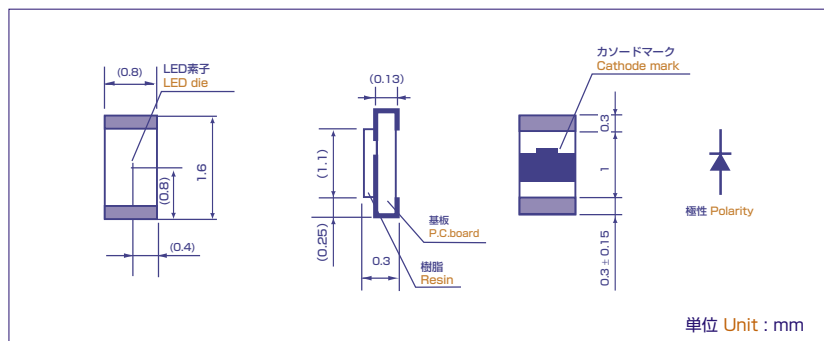
※1 1素子当たりの値です。The values are based on 1-die performance.

※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

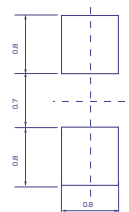


### 推奨はんだ付けパターン

The following soldering patterns are recommended for reflow soldering:

リフローはんだ用

For reflow soldering



## ■諸特性 Characteristics

