

# CL-198S Series

Mono-Color Upward-Lighting Type **CL-198S Series**



1.6(L)×0.8(W)×0.2(H)mm

● 小型・超薄型の白色LEDです。

● Compact and ultra-thin white LED

## ●絶対最大定格 Absolute Maximum Rating<sup>※1</sup>

(Ta 25°C)

Product code	Pd (mW)	If (mA)	I <sub>FP</sub> <sup>※2</sup> (mA)	V <sub>R</sub> (V)	T <sub>op</sub> (°C)	T <sub>st</sub> (°C)
CL-198S-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 I<sub>FP</sub>の条件はduty 1/10、パルス巾30msecです。Condition for I<sub>FP</sub> 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>	I <sub>F</sub> =5mA	—	2.9	3.15	V
逆電流 Reverse Current <sup>※1</sup>	I <sub>R</sub>	V <sub>R</sub> =5V	—	—	2	μA
光度 Luminous Intensity <sup>※2</sup>	I <sub>v</sub>	I <sub>F</sub> =5mA	180	260	—	mcd
色度座標 Chromaticity coordinates <sup>※3</sup>	x, y	I <sub>F</sub> =5mA		x(±0.02)	y(±0.02)	
			a	0.28	0.24	
			b	0.28	0.30	
			c	0.35	0.39	
d	0.35	0.29				

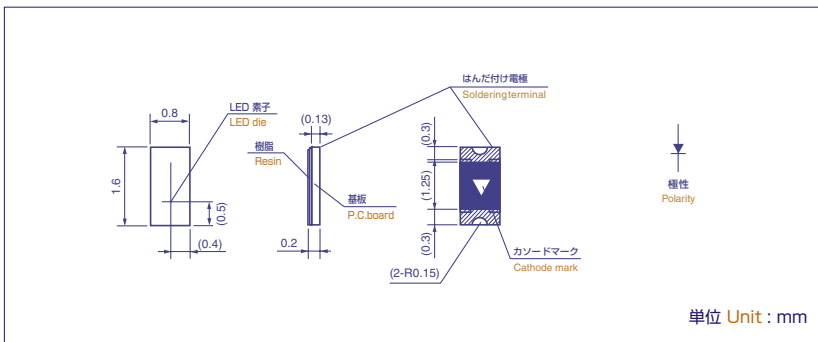
※1 1素子当たりの値です。The values are based on 1-die performance.

※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.

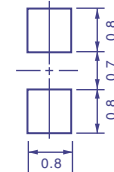
## ●外形寸法図 Outline drawing



### 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

