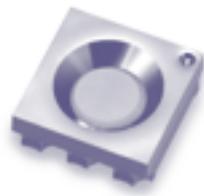


# CL-597S Series

LED For Flash Light Source **CL-597S Series**

5.0(L)×5.0(W)×1.5(H)mm

- リフレクター付きの高出力タイプです。

- High output type with reflector equipped.

## ● 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)	V <sub>R</sub> (V)	Top (°C)	Tst (°C)
CL-597S-4WQ	72	20	100	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>	I <sub>f</sub> =20mA	—	3.2	3.6	V
逆電流 Reverse Current <sup>*1</sup>	I <sub>R</sub>	V <sub>R</sub> =5V	—	—	100	μA
光度 Luminous Intensity <sup>*2</sup>	I <sub>v</sub>	I <sub>f</sub> =20mA	—	14.4	—	cd
色度座標 Chromaticity coordinates <sup>*3</sup>	x, y	I <sub>f</sub> =20mA	x(±0.02) a 0.27 b 0.27 c 0.35 d 0.35	y(±0.02) 0.22 0.29 0.40 0.33		

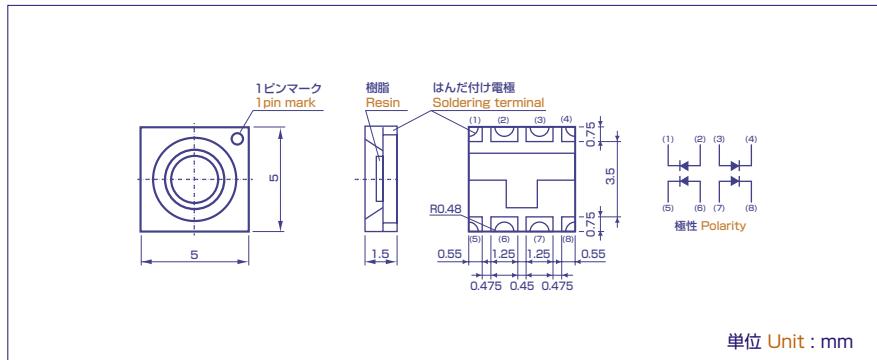
※1 1素子当たりの値です。The values are based on 1-die performance.

※2 NIST規格に準拠、各素子同時点灯の値です。

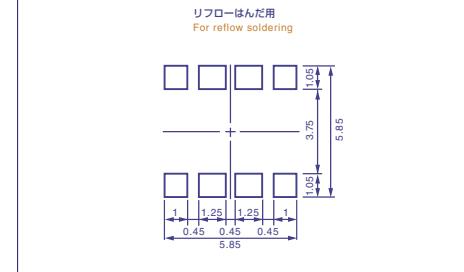
Compliant with NIST. The values are based on the condition that each die lights simultaneously.

※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:



## ■ 諸特性 Characteristics

