

# CL-120S Series

LED For Flash Light Source **CL-120S Series**



5.0(L)×8.0(W)×2.45(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)	T <sub>op</sub> (°C)	T <sub>st</sub> (°C)
CL-120S-8WQ	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duty 1/10、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=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>	If=20mA	—	24	—	cd
色度座標 Chromaticity coordinates <sup>※3</sup>	x, y	If=20mA		x(±0.02)	y(±0.02)	
			a	0.27	0.22	
			b	0.27	0.29	
			c	0.35	0.40	
d	0.35	0.33				

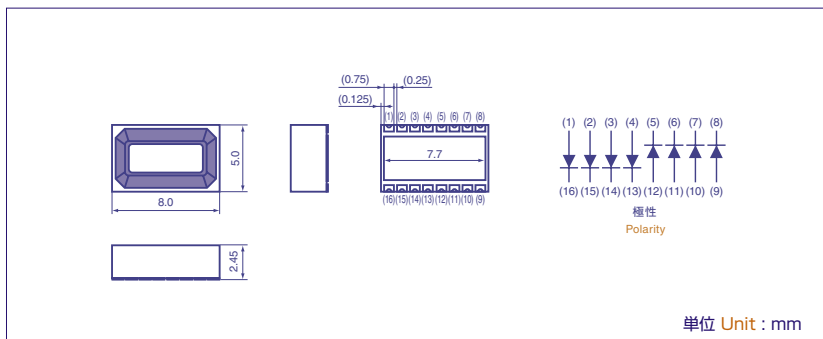
※1 1素子当たりの値です。The values are based on 1-die performance.

※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.

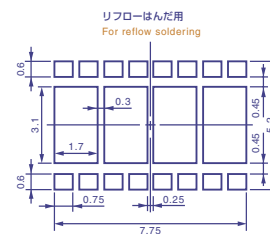
※3 色度座標は、a, b, c, dに囲まれた範囲です。Chromaticity coordinates is surrounded with a, b, c, d.

## ●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

