

2.8(L)×1.0(W)×0.8(H)mm

- 薄型バックライト用の白色LEDです。推奨導光板は0.8mm厚です。

- White LED for thin-shaped backlight. Recommended thickness of optical waveguide is 0.8 mm.

●絶対最大定格 Absolute Maximum Rating※1

(Ta 25℃)

Product code	Pd (mW)	IF (mA)	IFP※2 (mA)	VR (V)	Top (℃)	Tst (℃)
CL-431F-WQ	114	30	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℃)

Parameter	Symbol	Conditions	MIN	TYP	MAX	Unit
順電圧 Forward Voltage※1	VF	IF=20mA	—	3.3	3.6	V
逆電流 Reverse Current※1	IR	VR=5V	—	—	2	μA
光度 Luminous Intensity※2	IV	IF=20mA	1440	1800	—	mcd
色度座標 Chromaticity coordinates※3	x, y	IF=20mA	x(±0.02)		y(±0.02)	
			a	0.268	0.228	
			b	0.284	0.256	
			c	0.309	0.286	
			d	0.307	0.308	
			e	0.275	0.275	
			f	0.252	0.247	

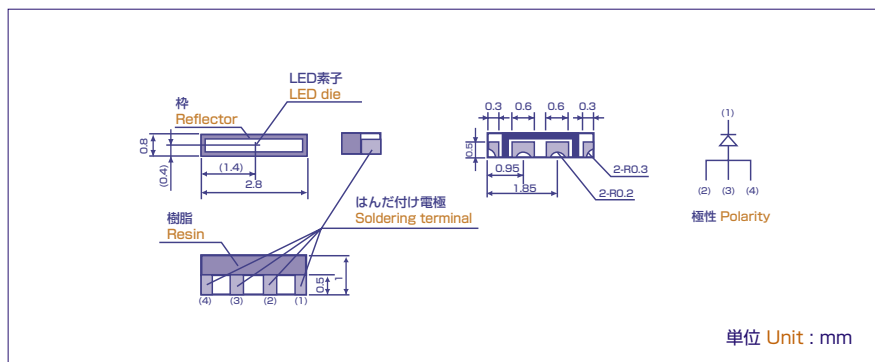
※1 1素子当たりの値です。The values are based on 1-die performance.

※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、e、fに囲まれた範囲です。Chromaticity coordinates is surrounded with a,b,c,d,e,f.

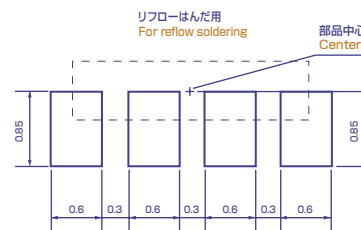
●外形寸法図 Outline drawing



単位 Unit : mm

推奨はんだ付けパターン

The following soldering patterns are recommended for reflow soldering:



■ 諸特性 Characteristics

