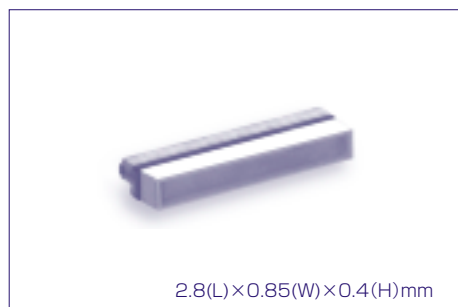




- 薄型バックライト用の白色LEDです。推奨導光板は0.4mm厚です。
- 超薄型タイプです。
- White LED for thin-shaped backlight. Recommended thickness of optical waveguide is 0.4 mm.
- Ultra thin type.

●絶対最大定格/Absolute Maximum Rating※1

(Ta 25°C)

Product code	Pd (mW)	IF (mA)	IFP※2 (mA)	VR (V)	Top (°C)	Tst (°C)
CL-435F-WN	114	30	100	5	-25~+85	-30~+90
CL-435F-WQ	114	30	100	5	-25~+85	-30~+90

※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※1	VF	IF=20mA	—	3.2	3.6	V
			—	3.3	3.6	
逆電流/Reverse Current※1	IR	VR=5V	—	—	2	μA
光度/ Luminous Intensity※2	IV	IF=20mA	860	1150	—	mcd
			1000	1380	—	
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	

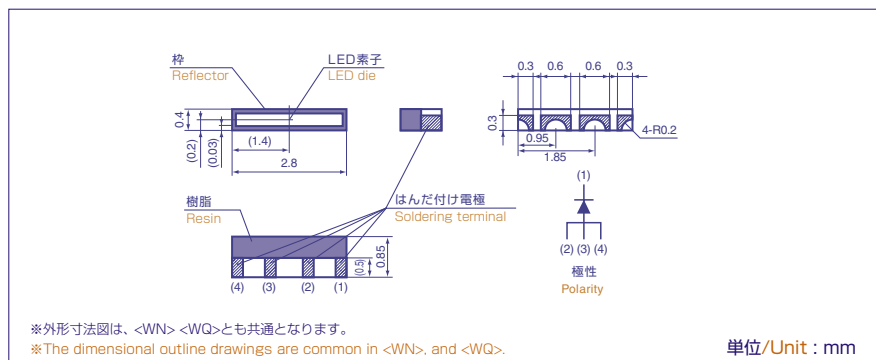
※1 1素子当たりの値です。/The values are based on 1-die performance.

※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.

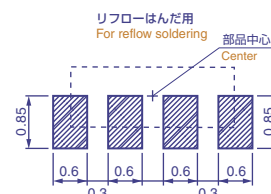
※3 色度座標は、a, b, c, d, e, fに囲まれた範囲です。/Chromaticity coordinates is surrounded with a, b, c, d, e, f.

●外形寸法図/Outline drawing



推奨はんだ付けパターン

The following soldering patterns are recommended for reflow soldering:



■ 諸特性/Characteristics

