

LNJ923W8CRA1

High Bright Surface Mounting Chip LED

SV (Side View) Type

Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	90	mW
Forward current	I_F	25	mA
Pulse forward current *	I_{FP}	70	mA
Reverse voltage	V_R	5	V
Operating ambient temperature	T_{opr}	-30 to +85	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +100	$^\circ\text{C}$

Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.

Lighting Color

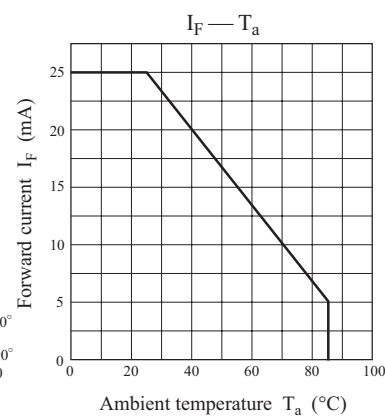
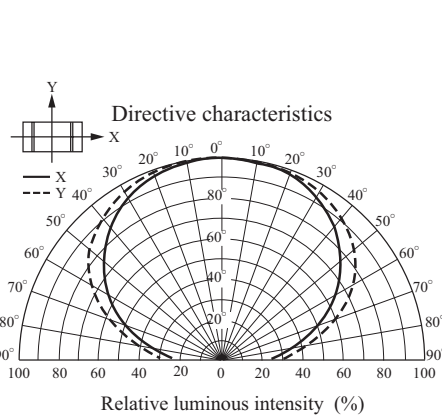
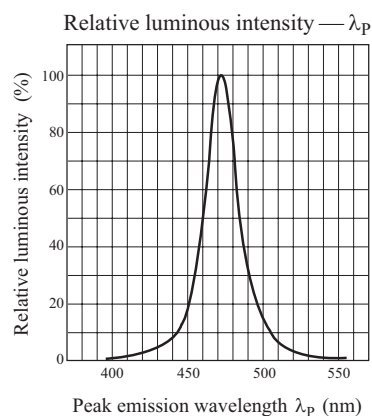
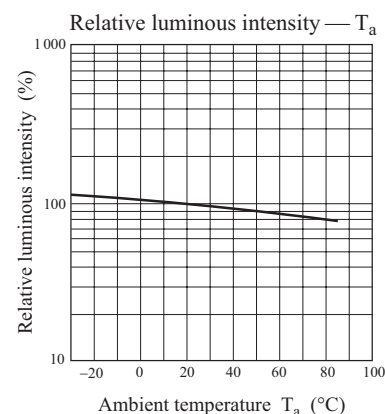
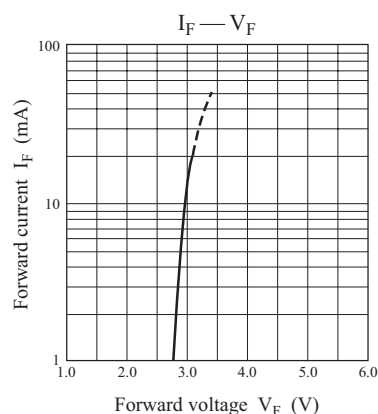
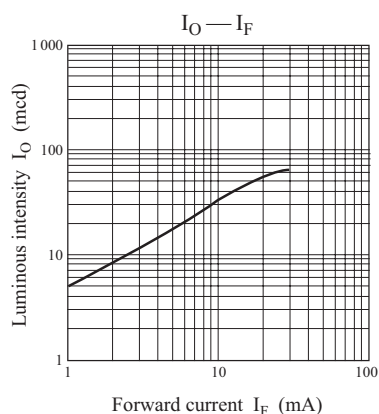
- Blue

Electro-Optical Characteristics $T_a = 25^\circ\text{C}$

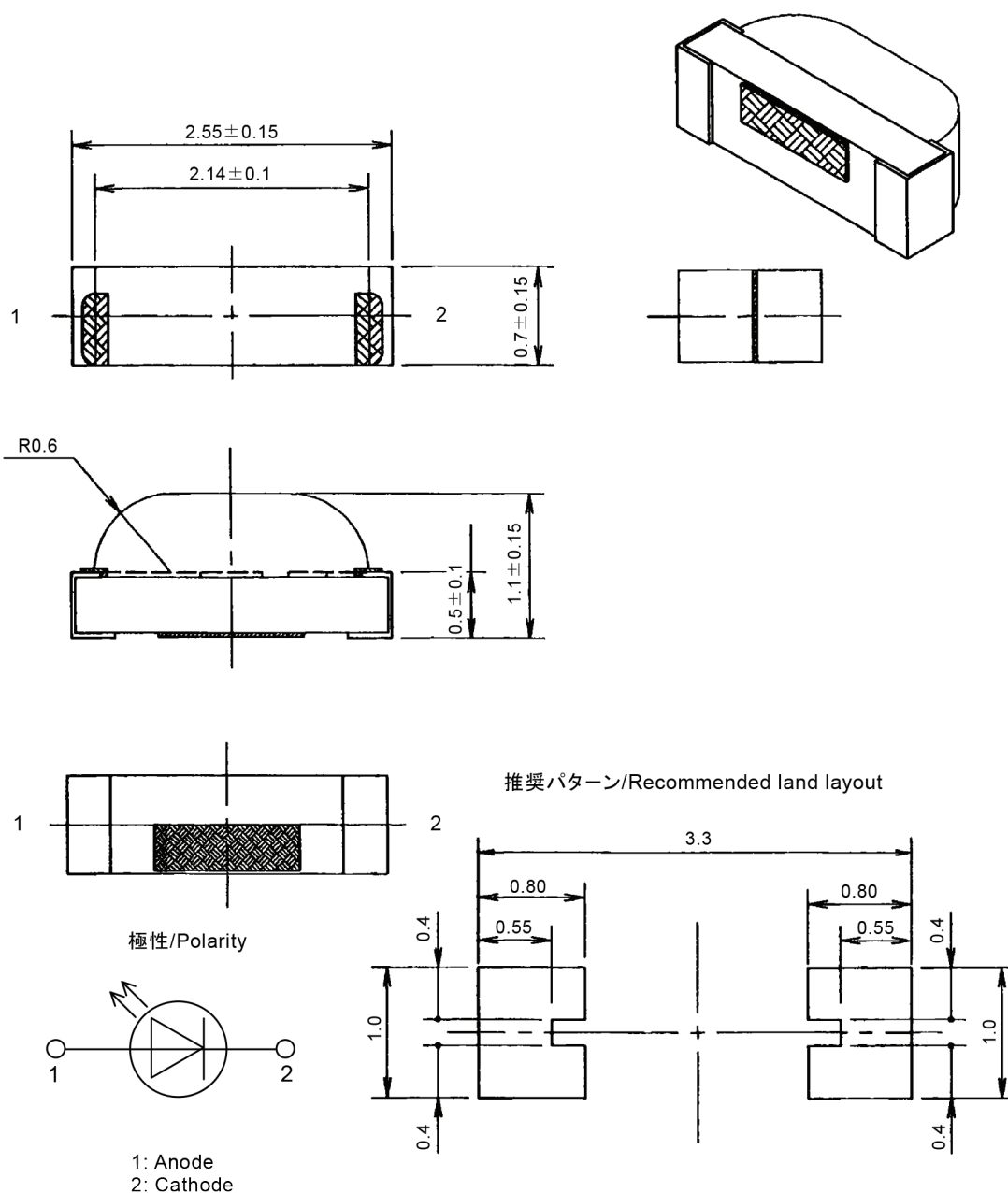
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity *1	I_O	$I_F = 5\text{ mA}$	10	18	32	mcd
Reverse current	I_R	$V_R = 5\text{ V}$			100	μA
Forward voltage	V_F	$I_F = 5\text{ mA}$	2.65	2.9	3.20	V
Dominant emission wavelength *2	λ_d	$I_F = 5\text{ mA}$	474	477	481	nm
Peak emission wavelength	λ_p	$I_F = 5\text{ mA}$		472		nm
Spectral half band width	$\Delta\lambda$	$I_F = 5\text{ mA}$		20		nm

Note) *1: Measurement tolerance: $\pm 20\%$

*2: Measurement tolerance: $\pm 3\text{ nm}$



■ Package (Unit: mm)



注記/Notes

1. パッケージ寸法については電極バリを含まない。

Package dimensions don't include electrode projection.

2. 当製品は、工法上、はんだ付け面端子端部にめっきバリカエリが発生することや、製品背面部に端子を有する縦型面実装タイプである為、リフローはんだ付けの際、不濡れ等が懸念されます。

従いまして、はんだの種類を検討ならびに各パットに対し、適正なはんだ量を考慮して塗布してください。

Precaution to soldering

Assembly conditions such like mechanical lode in placing LED and also suitable volume and type of solder paste has to be fully investigated.

Insufficient soldering may occur because of the condition of solder terminal surface which is caused by its unique production process.

3. 基本的に LED 直下範囲には、固着フットパターン厚み L 以上のシルク印刷をしないでください。

Measurement of the package doesn't include electrode projection.

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