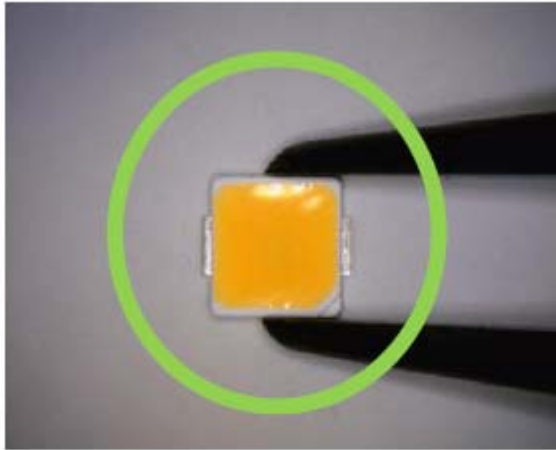


## LED 5250 65V 1W

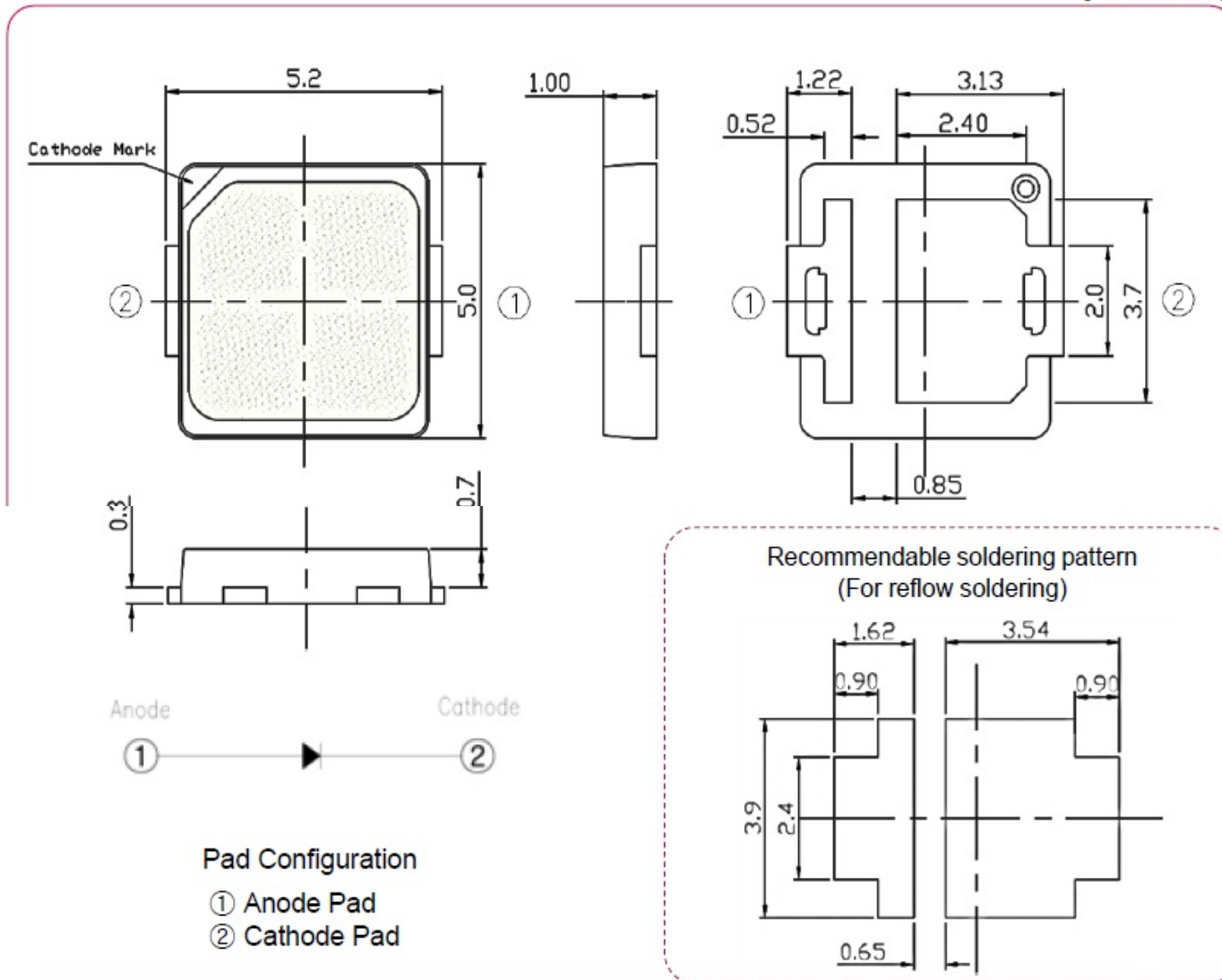


### 1. Features

- Lighting Color : White
- Lead Frame Type LED Package : 5.2 x 5.0 x 1.0 (L x W x H) [Unit : mm]
- Viewing angle : 120°
- Chip Material : InGaN
- Soldering Methods : Reflow soldering
- Taping : 12 mm conductive black carrier tape and antistatic clear cover tape  
2,000 pcs/reel,  $\Phi$ 203 mm reel

## 2. Outline Dimensions

[ Unit : mm ]



Tolerances unless otherwise mentioned are  $\pm 0.10$  mm

## 5. Electro - Optical Characteristics

( Ta=25℃)

If (mA)	Vf (V)	Power (W)	Φv (lm)	lm/W
5	58.9	0.29	48	166
10	61.6	0.62	91	147
15	63.6	0.95	131	138
20(typ.)	65.4	1.31	167	127
25	66.8	1.67	200	120

※ Φv values are for representative references only.

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	Vf	If = 20mA	63.5	-	69.5	V
Luminous Flux	Φv	If = 20mA	154	167	185	lm
Color Coordinate	Cx / Cy	If = 20mA	Refer to '6. Bin Structures			-
Viewing Angle	2Θ1/2	If = 20mA	-	120	-	deg
Color Rendering Index (CRI)	Ra	If = 20mA	80	-	-	-
Thermal Resistance, Junction to Solder Point	Rth j-s	If = 20mA	-	14	-	°C/W
Typical Temperature Coefficient of Forward Voltage <sup>*1)</sup>	ΔVf / ΔTj	If = 20mA	-	-50	-	mV/°C

\*1) Measured at Ta between 25℃ and 85℃.

## 5. Electro - Optical Characteristics

( Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V <sub>f</sub>	I <sub>f</sub> = 20mA	63.5	-	69.5	V
Luminous Flux	Φ <sub>v</sub>	I <sub>f</sub> = 20mA	154	167	185	lm
Color Coordinate	C <sub>x</sub> / C <sub>y</sub>	I <sub>f</sub> = 20mA	Refer to '6. Bin Structures			-
Viewing Angle	2Θ <sub>1/2</sub>	I <sub>f</sub> = 20mA	-	120	-	deg
Color Rendering Index (CRI)	R <sub>a</sub>	I <sub>f</sub> = 20mA	80	-	-	-
Thermal Resistance, Junction to Solder Point	R <sub>th j-s</sub>	I <sub>f</sub> = 20mA	-	14	-	°C/W
Typical Temperature Coefficient of Forward Voltage <sup>*1)</sup>	ΔV <sub>f</sub> / ΔT <sub>j</sub>	I <sub>f</sub> = 20mA		-50		mV/°C

\*1) Measured at Ta between 25°C and 85°C.