



本規格書為 **LED SMD** 產品型號：ST-505015YCBKD3V-D0 相關規格

產品規格：

Emitted color : Blue

Lens Color : Water Clear

Dice : InGaN

Absolute Maximum Ratings (Tj = 25°C)

Parameter	Value	Unit
Power Dissipation	110	mW
Continuous Forward Current	25	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	80	mA
Reverse Voltage	5	V
Operating Temperature Range	-30to +85	°C
Storage Temperature Range	-40to +100	°C
Lead Solder Temperature	260°C for 5 seconds	

Electrical-Optical Characteristics (Tj = 25°C)

Parameter	Symbol	MIN	TYP	MAX	UNIT	TEST CONDITION
Forward Voltage	VF		3.2	3.6	V	If=20mA
Wavelength	λ_d	460	468	476	nm	
Reverse Current	IR			10	μA	VR=5V
Luminous Intensity	IV				mcd	If=20mA
Recommend Forward Current	If(Rec)			25	mA	
Full Viewing Angle	$2\theta_{1/2}$		120		deg	If=20mA



LUMINOUS INTENSITY GROUPS:

LUMINOUS INTENSITY GROUPS :

ST-505015YCBKD3V-D0	
Rank	Iv(mcd)
S	520-700
T	700-1000
U1	1000-1300
U2	1300-1650

WAVELENGTH GROUPS :

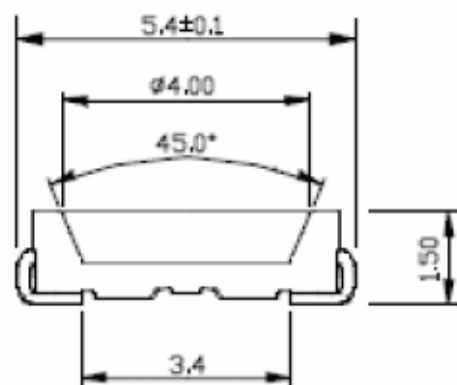
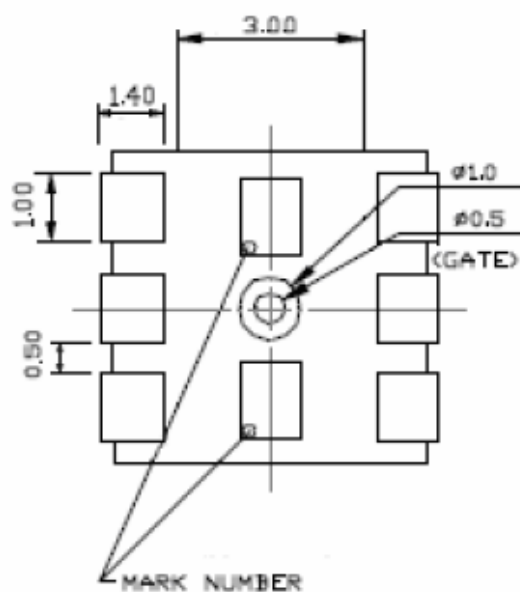
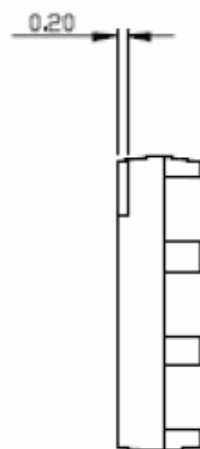
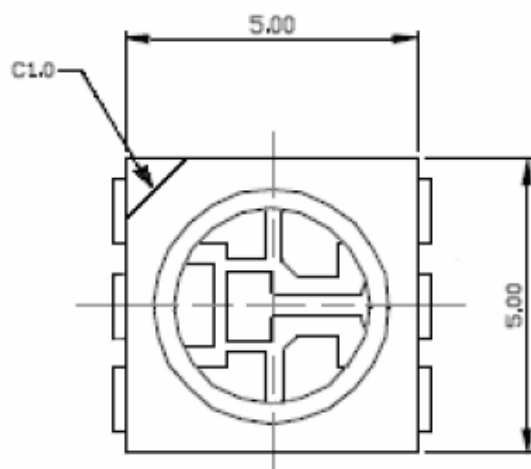
ST-505015YCBKD3V-D0	
Rank	λ d (nm)
B23	460-464
B34	462-466
B45	464-468
B56	466-470
B67	468-472
B78	470-474
B89	472-476



OUTLINE DIMENSIO

TOLERANCE :0.2

UNIT : mm



Note:

1. Unit: mm
2. Tolerance: Dimension ± 0.1 / Angle $\pm 0.5^\circ$