



本規格書為 **LED SMD** 產品型號：ST-505015YCYBD5V-D0 相關規格

產品規格：

Emitted color : Yellow

Lens Color : Water Clear

Dice : AlInGaP

Absolute Maximum Ratings (Tj = 25°C)

Parameter	Value	Unit
Power Dissipation	390	mW
Continuous Forward Current	30	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		2.0	2.6	V	If=20mA
Wavelength	λ_d	584	591	598	nm	
Reverse Current	IR				μA	VR=5V
Luminous Intensity	IV			50	mcd	If=20mA
Recommend Forward Current	If(Rec)				mA	
Full Viewing Angle	$2\theta_{1/2}$		120		deg	If=20mA



LUMINOUS INTENSITY GROUPS:

LUMINOUS INTENSITY GROUPS :

ST-505015YCYBD5V-D0	
Rank	Iv(mcd)
T	700-1000
U1	1000-1300
U2	1300-1650
U3	1650-2050
U4	2050-2500
W1	2500-3000

WAVELENGTH GROUPS :

ST-505015YCYBD5V-D0	
Rank	λ d (nm)
Y12	584-588
Y23	586-590
Y34	588-592
Y45	590-594
Y56	592-596
Y67	594-598

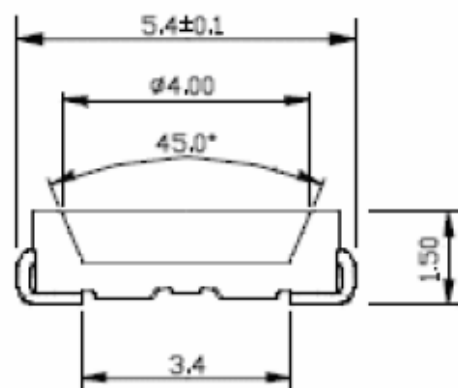
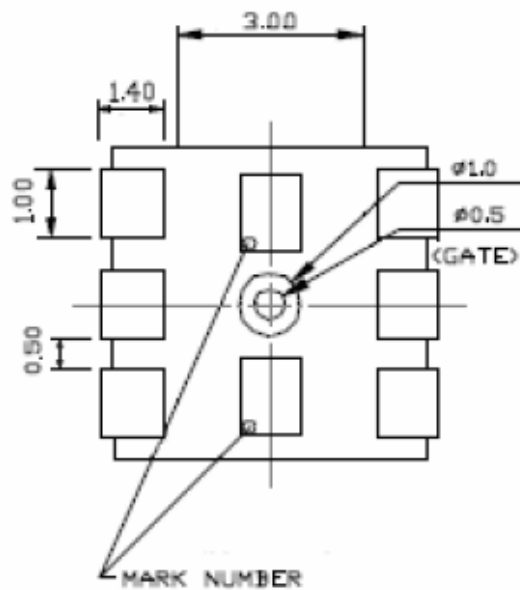
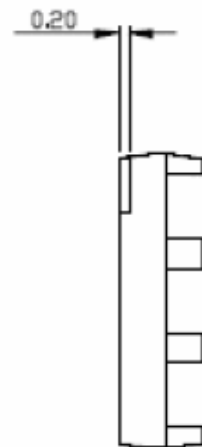
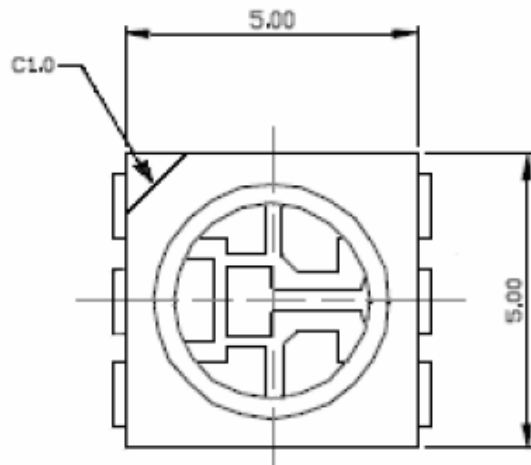


ROYAL LIGHT ELECTRONICS CO., LTD.

OUTLINE DIMENSIO

TOLERANCE :0.2

UNIT : mm



Note:

1. Unit: mm

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

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