



本規格書為 **SMD LED** 產品型號：ST-505015YDWBD9V-D0 相關規格

產品規格：

Emitted color : White

Lens Color : Yellow

Dice : InGaN

Absolute Maximum Ratings (Tj = 25°C)

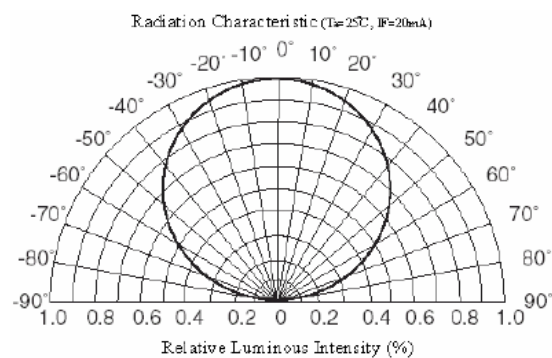
Parameter	Value	Unit
Power Dissipation	432	mW
Continuous Forward Current	40	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Reverse Voltage	5	V
Operating Temperature Range	-25 to +80	°C
Storage Temperature Range	-30 to +80	°C
Lead Solder Temperature	: 260°C for 5 seconds	

Electrical-Optical Characteristics (Tj = 25°C)

Parameter	Symbol	MIN	TYP	MAX	UNIT	TEST CONDITION
Forward Voltage	VF		3.3	3.6	V	If=20mA
Wavelength	X,Y		X=0.43 Y=0.40		nm	
Reverse Current	IR			50	μA	VR=5V
Luminous Intensity	IV	3000		6000	mcd	If=20mA
Recommend Forward Current	If(Rec)		20		mA	
Full Viewing Angle	2θ 1/2		120		deg	If=20mA



UNIT : mm





IF @ 20mA					
Rank	x	y	Rank	x	y
w1	0.3620	0.3880	w4	0.3950	0.3850
	0.3600	0.3630		0.3920	0.3670
	0.3950	0.3850		0.4150	0.3790
	0.4000	0.4150		0.4200	0.4000
w2	0.3600	0.3630	w5	0.4280	0.4300
	0.3600	0.3480		0.4200	0.4000
	0.3920	0.3670		0.4750	0.4150
	0.3950	0.3850		0.4880	0.4500
w3	0.4000	0.4150	w6	0.4200	0.4000
	0.3950	0.3850		0.4150	0.3790
	0.4200	0.4000		0.4650	0.3900
	0.4280	0.4300		0.4750	0.4150

Luminous intensity group	Measurement condition	Luminous intensity Iv(mcd)
W5	$I_F = 20/20/20 \text{ mA}$	5000-6000
W4		4250-5000
W3		3600-4250
W2		3000-3600