### 3.0x2.0mm SURFACE MOUNT LED LAMP

	AA3020SYC	SUPER BRIGHT YELLOW
<ul> <li>Features</li> <li>3.0MM X 2.0MM, 1.4MM HIGH, ONLY MINIMUM SPACE REQUIRED.</li> <li>SUITABLE FOR COMPACT OPTOELECTRONIC APPLICATIONS.</li> <li>LOW POWER CONSUMPTION.</li> <li>PACKAGE : 2000PCS / REEL.</li> <li>RoHS COMPLIANT.</li> </ul>	<b>Description</b> The Super Bright Yellow (on GaAs substrate) ligh	device is made with DH InGaAIP t emitting diode chip.
Package Dimensions		
3.0(.11 2.7(.106 2.0(.07 660.) 0.0 0.0 1 	3) -	1 ∘Қ]• 2
(ego) (ego)	0.1(.004)NOM.	1.4(.055)

Notes: 1. All dimensions are in millimeters (inches). 2. Tolerance is  $\pm 0.25(0.01")$  unless otherwise noted. 3.Specifications are subject to change without notice.

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Selection Guide					
Part No.	Dice	Lens Type	Iv (mcd) @ 20mA		Viewing Angle
			Min.	Тур.	201/2
AA3020SYC	SUPER BRIGHT YELLOW (InGaAIP)	WATER CLEAR	50	120	90 <b>°</b>

Note:

1.  $\theta$ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

#### Electrical / Optical Characteristics at TA=25°C

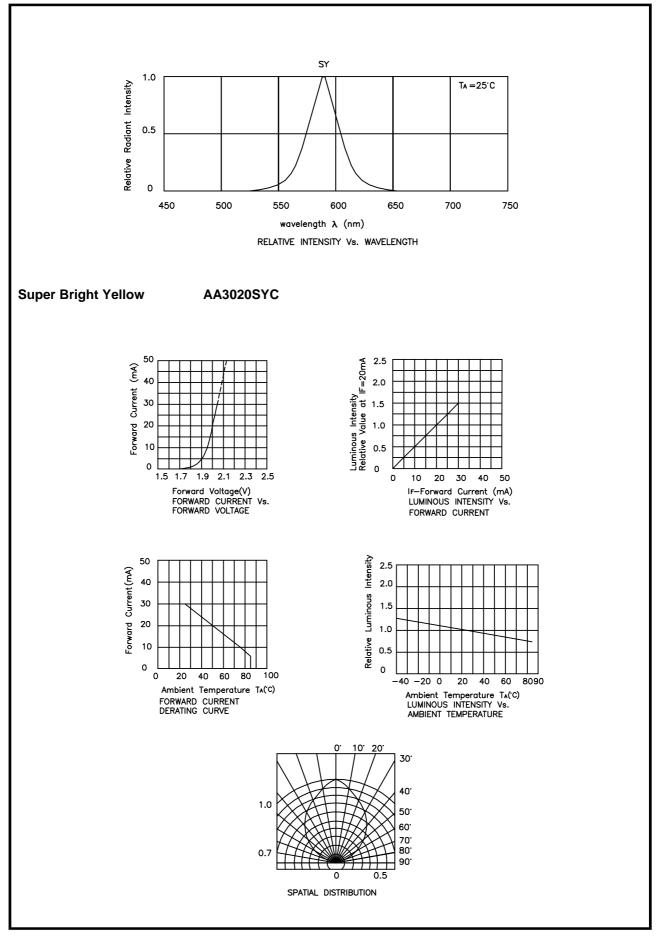
Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Yellow	590		nm	IF=20mA
λD	Dominant Wavelength	Super Bright Yellow	588		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Yellow	28		nm	IF=20mA
С	Capacitance	Super Bright Yellow	25		pF	VF=0V;f=1MHz
VF	Forward Voltage	Super Bright Yellow	2.0	2.5	V	IF=20mA
lr	Reverse Current	Super Bright Yellow		10	uA	VR = 5V

#### Absolute Maximum Ratings at TA=25°C

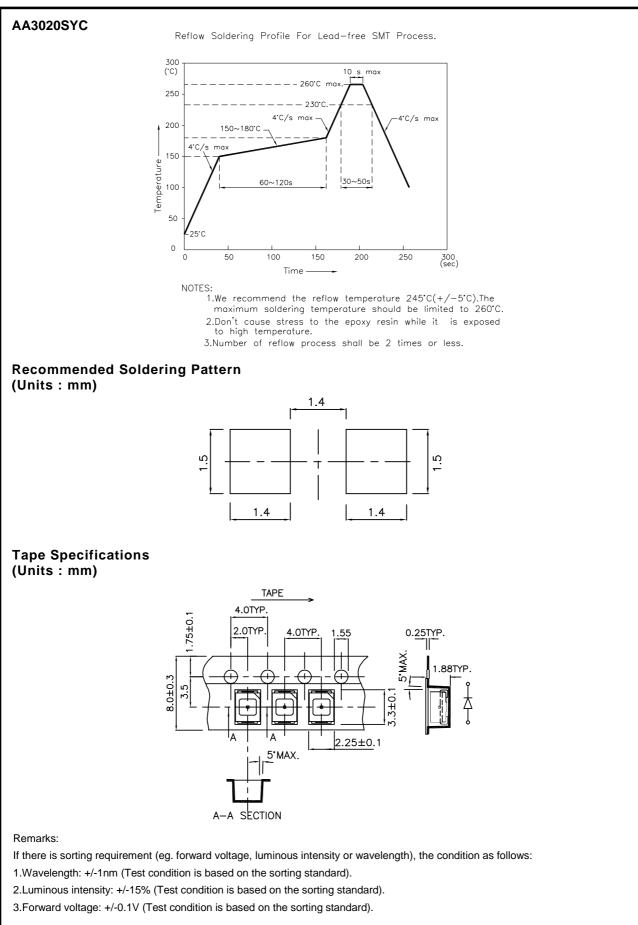
Parameter	Super Bright Yellow	Units
Power dissipation	125	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

Note:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.



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