### 4.0x4.0mm RIGHT ANGLE SURFACE MOUNT LED LAMP

	KA-4040SYC	SUPER BRIGHT YELLOW
Features •SINGLE COLOR. •SUITABLE FOR ALL SMT ASSEMBLY AND SOLDER PROCESS. •AVAILABLE ON TAPE AND REEL. •IDEAL FOR BACKLIGHTING. •PACKAGE : 500PCS / REEL •RoHS COMPLIANT.	<b>Description</b> The Super Bright Yellow de (on GaAs substrate) light e	evices is made with DH InGaAIP mitting diode chip.
Package Dimensions		
POLARITY MARK 1.4[0.055] 2 00 10 10 10 10 10 10 10 10 10 10 10 10	1 0	—-•° 2
2.4[0.094] 2.4[0.094]	2.85[0.112	
Notes: 1. All dimensions are in millimeters (inches). 2. Tolerance is ±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	lv (mcd) @ 20mA		Viewing Angle	
			Min.	Тур.	201/2	
KA-4040SYC	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

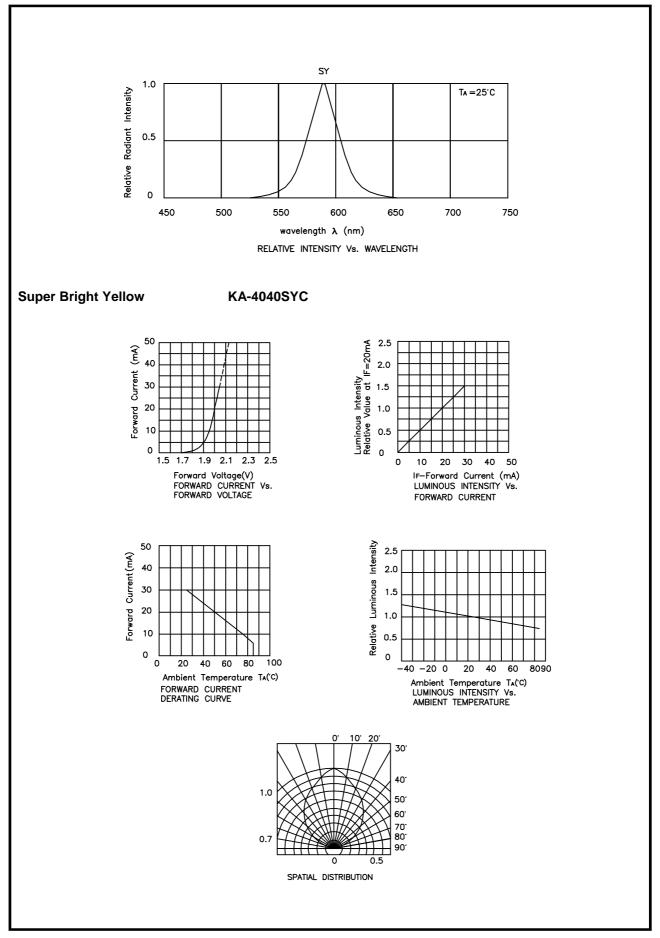
Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Yellow	590		nm	IF=20mA
λD	Dominant Wavelength	Super Bright Yellow	588		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Yellow	28		nm	IF=20mA
С	Capacitance	Super Bright Yellow	25		pF	VF=0V;f=1MHz
VF	Forward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

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

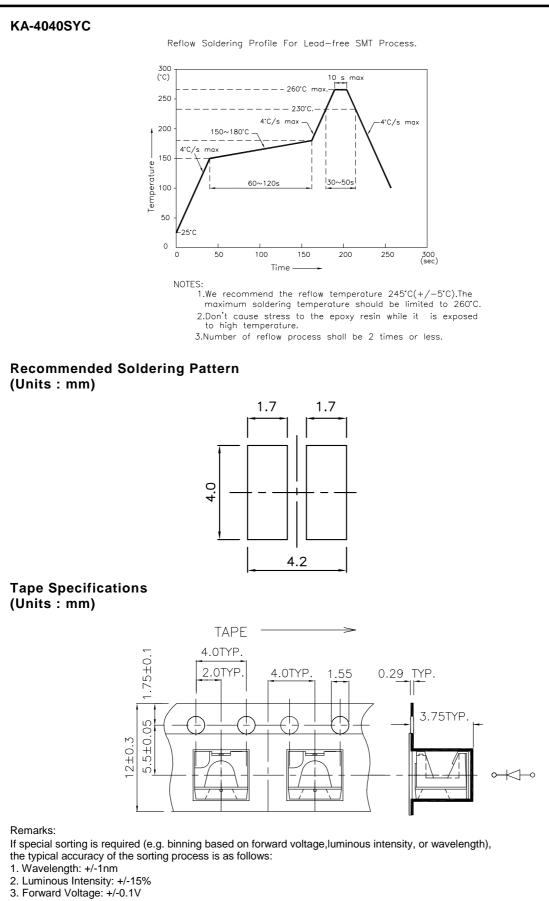
Parameter	Super Bright Yellow	Units	
Power dissipation	125	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	150	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

Note:

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



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Note: Accuracy may depend on the sorting parameters.

SPEC NO: DSAA6009 APPROVED: J. Lu

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