### 5.0X6.0mm SURFACE MOUNT LED LAMP

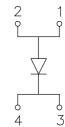
KA-5060SURC-G HYPER RED Description Features The Hyper Red source color devices are made with DH • SINGLE COLOR. InGaAIP on GaAs substrate Light Emitting Diode. • SUITABLE FOR ALL SMT ASSEMBLY AND SOLDER PROCESS. • AVAILABLE ON TAPE AND REEL. • IDEAL FOR BACKLIGHTING. • PACKAGE : 500PCS / REEL. •RoHS COMPLIANT. **Package Dimensions** 5.7 [0.224] 0.067 0.039 5 [0.197 Ø3.2[0.126] 2 236 0 4 3 Ø

POLARITY MARK

1.4 [0.055]

2.4 [0.094]

0.2[0.008]



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.

[0.055]

4

0.039

0.051]

SPEC NO: DSAB8531 APPROVED: J. Lu REV NO: V.8 CHECKED: Allen Liu DATE: MAR/13/2005 DRAWN: B.H.LI

Selection Guide								
Part No.	Dice	Lens Type	lv (mcd) @ 50mA		Viewing Angle			
			Min.	Тур.	201/2			
KA-5060SURC-G	HYPER RED (InGaAIP)	WATER CLEAR	480	750	100°			

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

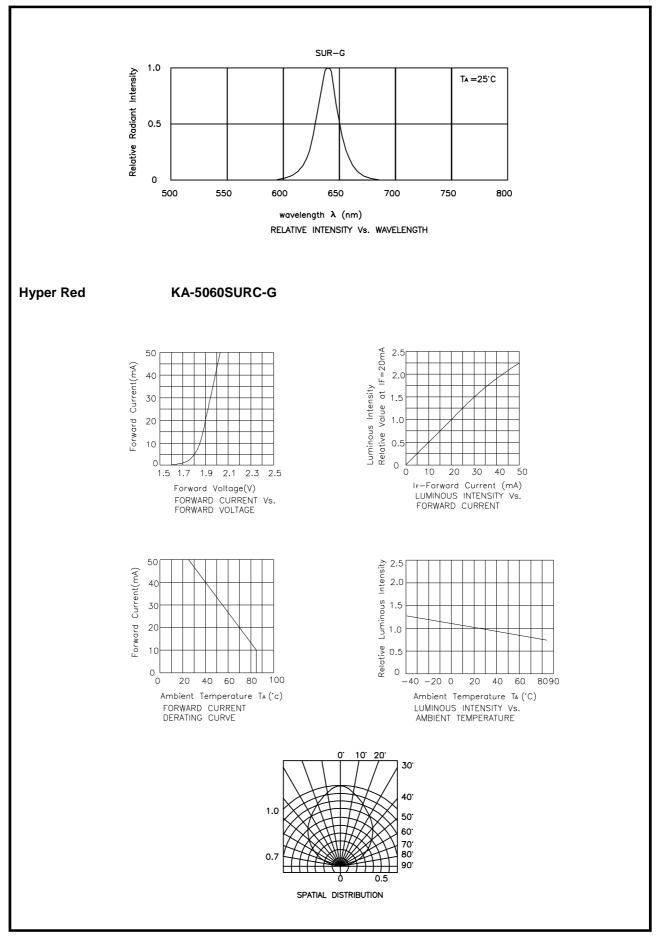
Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Hyper Red	640		nm	IF=20mA
λD	Dominant Wavelength	Hyper Red	630		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Hyper Red	22		nm	IF=20mA
С	Capacitance	Hyper Red	45		pF	VF=0V;f=1MHz
VF	Forward Voltage	Hyper Red	1.9	2.5	V	IF=20mA
IR	Reverse Current	Hyper Red		10	uA	VR = 5V

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

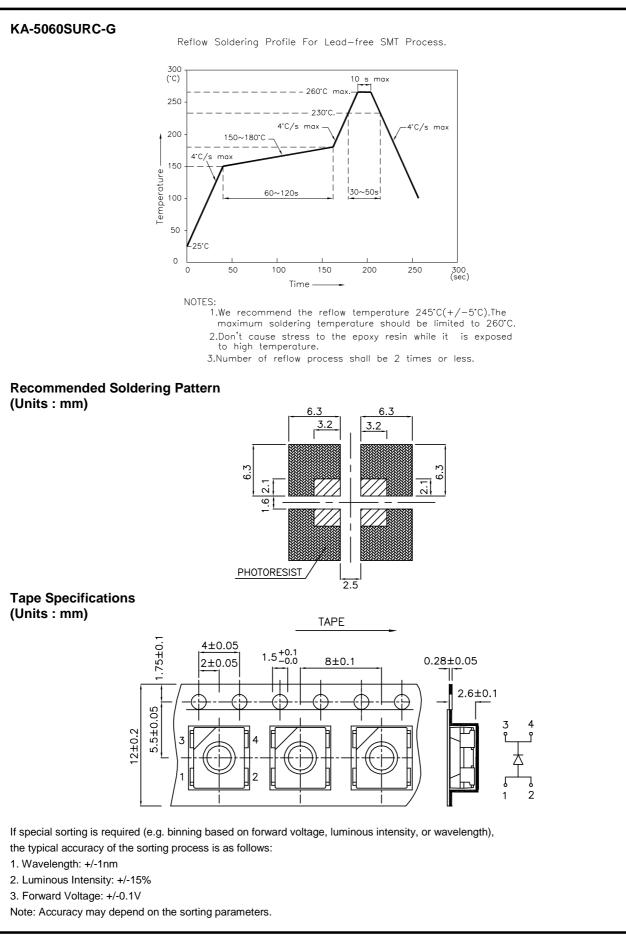
Parameter	Hyper Red	Units	
Power dissipation	125	mW	
DC Forward Current	50	mA	
Peak Forward Current [1]	150	mA	
Reverse Voltage	5	V	
Operating/Storage Temperature	-40°C To +85°C		

Note:

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



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