PRELIMINARY SPEC

## SUBMINIATURE SOLID STATE LAMP

Part Number: AM2520SYCK09

Super Bright Yellow

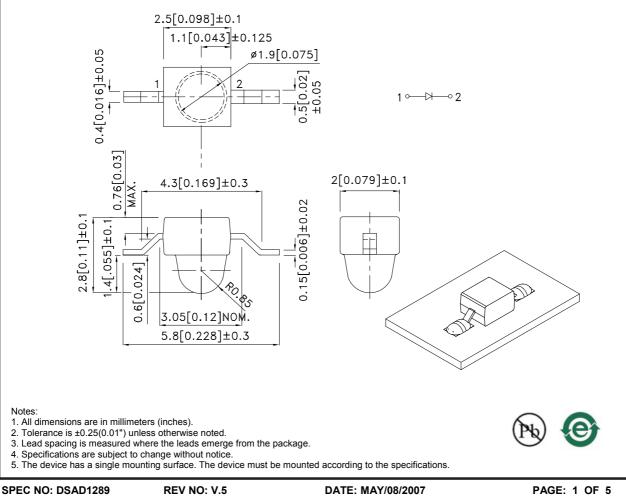
### Features

- SUBMINIA TURE PACKAGE.
- WIDE VIEWING ANGLE.
- Z-BEND LEAD.
- LONG LIFE SOLID STATE RELIABILITY.
- LOW PACKAGE PROFILE.
- MOISTURE SENSITIVITY LEVEL : LEVEL 3.
- PACKAGE : 1000PCS / REEL.
- RoHS COMPLIANT.

### Description

The Super Bright Yellow device is made with DH InGaAIP (on GaAs substrate) light emitting diode chip.

### Package Dimensions



APPROVED: WYNEC

REV NO: V.5 CHECKED: Allen Liu DATE: MAY/08/2007 DRAWN: Y.L.LI PAGE: 1 OF 5 ERP: 1202000720

#### **Selection Guide** lv (mcd) [2] @ 20mA Viewing Angle [1] Part No. Dice Lens Type Min. 201/2 Тур. AM2520SYCK09 Super Bright Yellow (InGaAIP) WATER CLEAR 650 1300 20°

Notes:

1.01/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value. 2. Luminous intensity/ luminous Flux: +/-15%.

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

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

Notes:

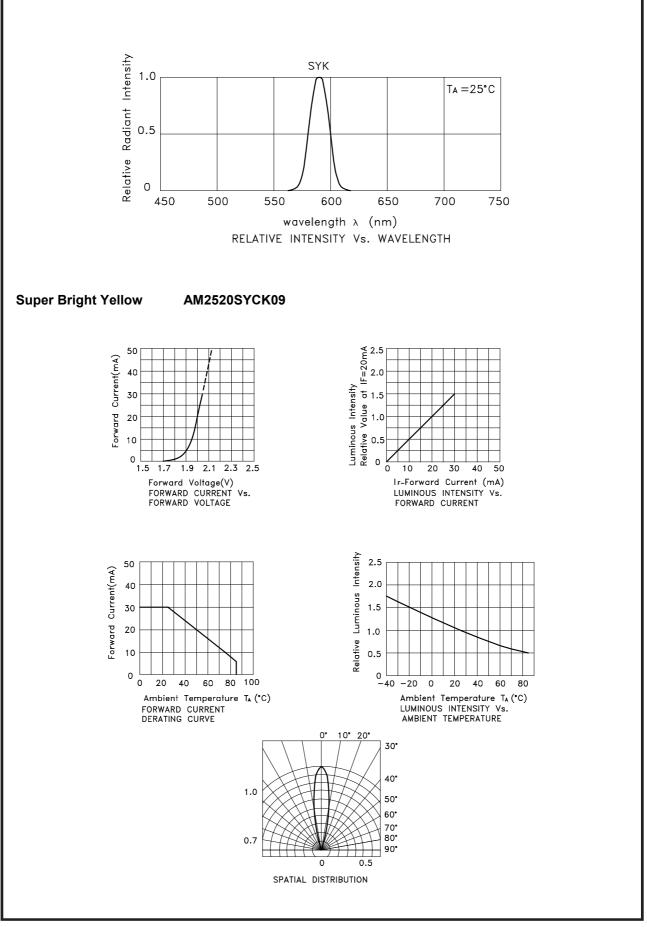
1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

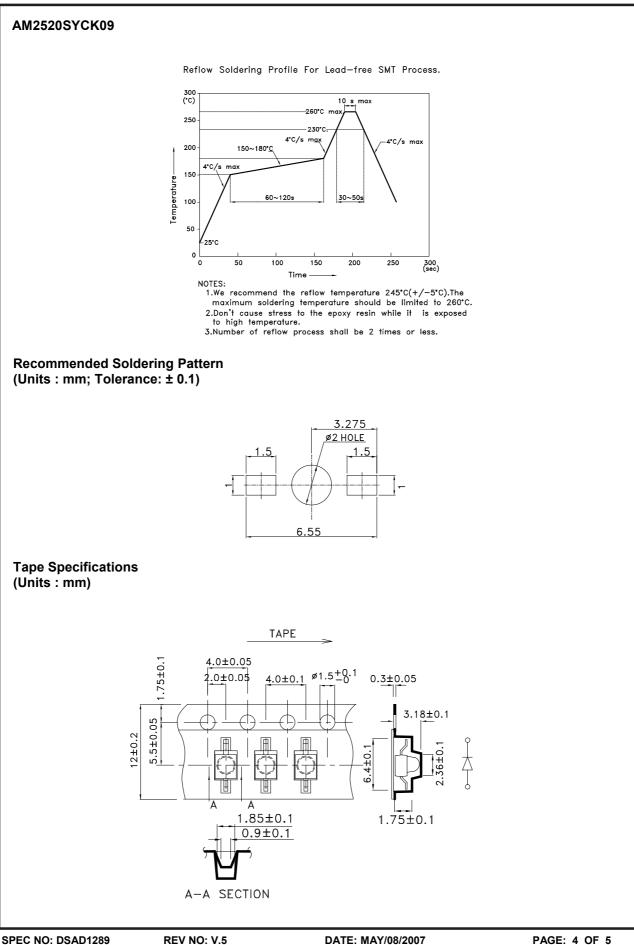
### Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Yellow			
Power dissipation	75	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	175	mA		
Reverse Voltage	5	V		
Operating Temperature	-40°C To +85°C			
Storage Temperature	-40°C To +85°C			

Note:

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





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