4.5x2mm SMD CHIP LED LAMP

APD2520SYC03 SUPER BRIGHT YELLOW

Features

•4.5x2mm SMT LED,0.5mm THICKNESS

•LOW POWER CONSUMPTION.

•IDEAL FOR BACKLIGHT AND INDICATOR.

•VARIOUS COLORS AND LENS TYPES AVAILABLE.

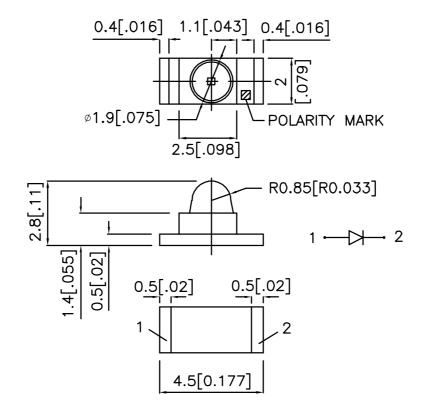
•PACKAGE : 1000PCS/REEL.

•RoHS COMPLIANT.

Description

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

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).

2. Tolerance is $\pm 0.2(0.008")$ unless otherwise noted.

3. Specifications are subject to change without notice.

SPEC NO: DSAD1075 APPROVED: J. Lu REV NO: V.2 CHECKED: Allen Liu DATE: MAR/10/2005 DRAWN: W.J.ZHU PAGE: 1 OF 4 ERP:1203001049

Selection Guide					
Part No.	Dice	Lens Type	lv (mcd) @ 20mA		Viewing Angle
			Min.	Тур.	2 0 1/2
APD2520SYC03	SUPER BRIGHT YELLOW (InGaAIP)	WATER CLEAR	110	450	20°

Note:

1. θ 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

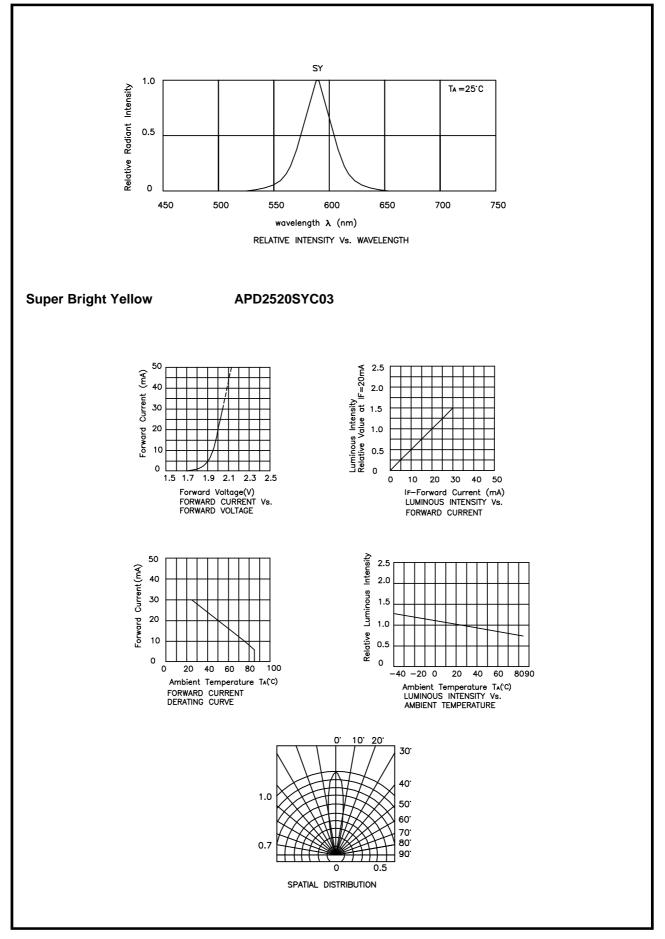
Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Yellow	590		nm	IF=20mA
λD	Dominant Wavelength	Super Bright Yellow	588		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Yellow	28		nm	IF=20mA
С	Capacitance	Super Bright Yellow	25		pF	VF=0V;f=1MHz
VF	Forward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

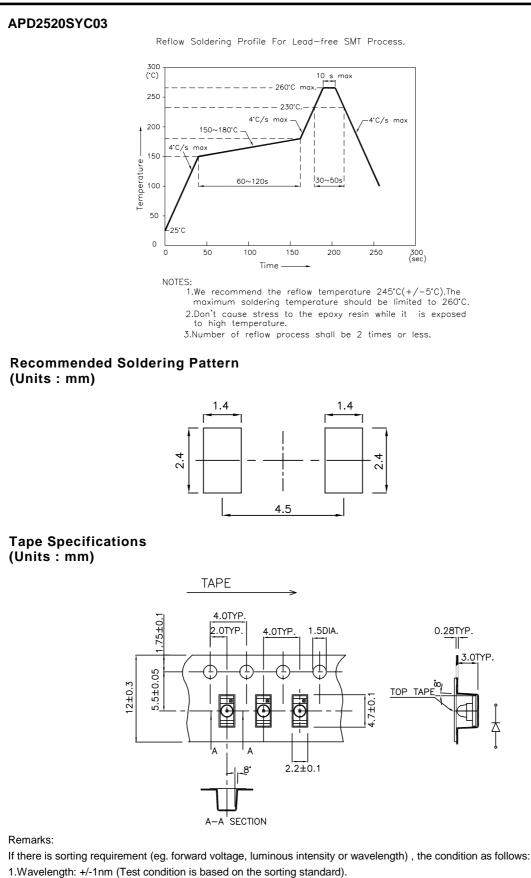
Parameter	Super Bright Yellow	Units	
Power dissipation	125	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	150	mA	
Reverse Voltage	5	V	
Operating/Storage Temperature	-40°C To +85°C		

Note:

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



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2.Luminous intensity: +/-15% (Test condition is based on the sorting standard).

3.Forward voltage: +/-0.1V (Test condition is based on the sorting standard).

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