#### 查询AM2520SURCK08供应商

捷多邦,专业PCB打样工厂,24小时加急出货

## **Kingbright**

### SUBMINIATURE SOLID STATE LAMP

The Hyper Red source color devices are made

with DH InGaAIP on GaAs substrate Light Emitting Diode.

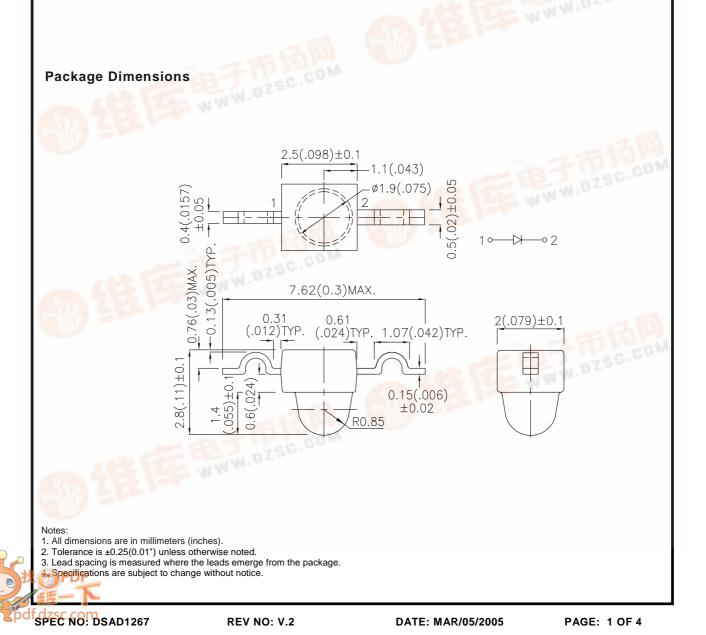
AM2520SURCK08

Description

HYPER RED

### **Features**

- •SUBMINIATURE PACKAGE.
- •WIDE VIEWING ANGLE.
- •LONG LIFE SOLID STATE RELIABILITY.
- •LOW PACKAGE PROFILE.
- •PACKAGE : 1000PCS / REEL.
- •RoHS COMPLIANT.



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## **Selection Guide**

Part No.	Dice	Lens Type	lv (mcd) @ 20 mA		Viewing Angle
			Min.	Тур.	2 <del>0</del> 1/2
AM2520SURCK08	HYPER RED (InGaAIP)	WATER CLEAR	180	650	20°

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	650		nm	IF=20mA
λD	Dominant Wavelength	Hyper Red	635		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Hyper Red	28		nm	IF=20mA
С	Capacitance	Hyper Red	35		pF	VF=0V;f=1MHz
VF	Forward Voltage	Hyper Red	1.95	2.5	V	IF=20mA
IR	Reverse Current	Hyper Red		10	uA	Vr = 5V

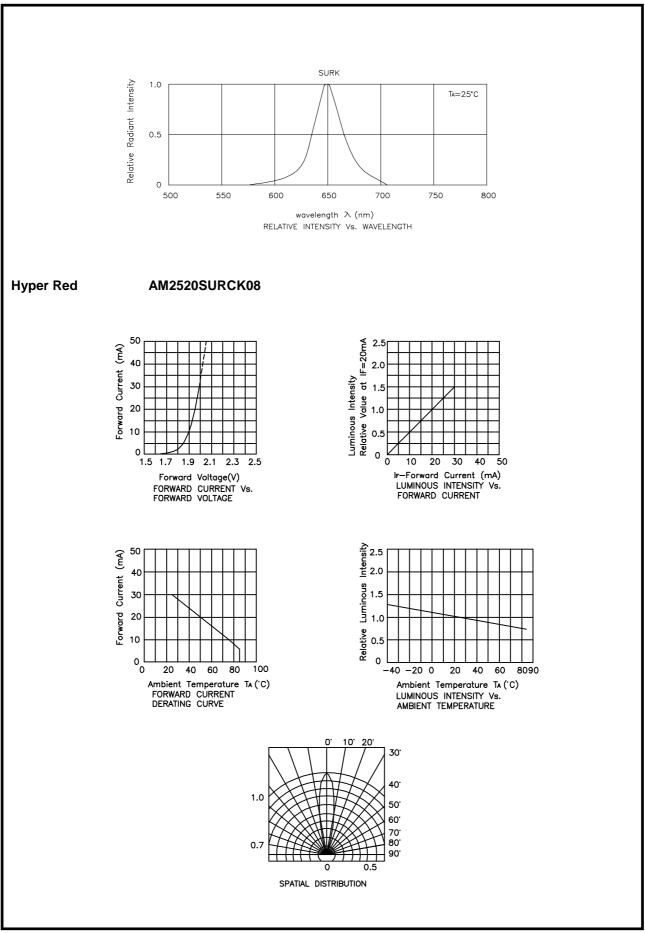
## Absolute Maximum Ratings at TA=25°C

Parameter	Hyper Red	Units
Power dissipation	170	mW
DC Forward Current	30	mA
Peak Forward Current [1]	185	mA
Reverse Voltage	5	V
Operating / Storage Temperature	Temperature -40°C To +85°C	

Note:

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

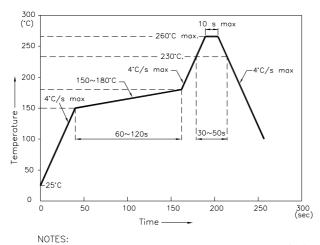
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#### AM2520SURCK08

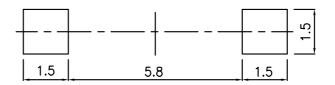
Reflow Soldering Profile For Lead-free SMT Process.



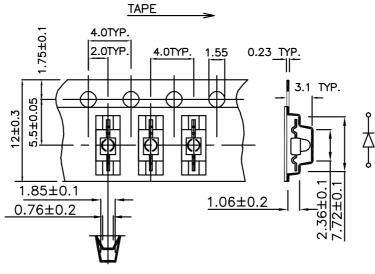
 We recommend the reflow temperature 245°C(+/-5°C).The maximum soldering temperature should be limited to 260°C.
Don't cause stress to the epoxy resin while it is exposed to high temperature.

## 3.Number of reflow process shall be 2 times or less.

### Recommended Soldering Pattern (Units : mm)



### Tape Specifications (Units : mm)



### Remarks:

If there is sorting requirement (eg. forward voltage, luminous intensity or wavelength), the condition as follows:

1.Wavelength: +/-1nm (Test condition is based on the sorting standard).

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).