ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

#### Features

- 3.0x2.5x1.0mm right angle SMD LED, 1.0mm thickness.
- Low power consumption.
- Ideal for back light and indicator.
- Package : 2000pcs / reel.
- Moisture sensitivity level : level 3.
- Tinned pads for improved solderability.
- RoHS compliant.

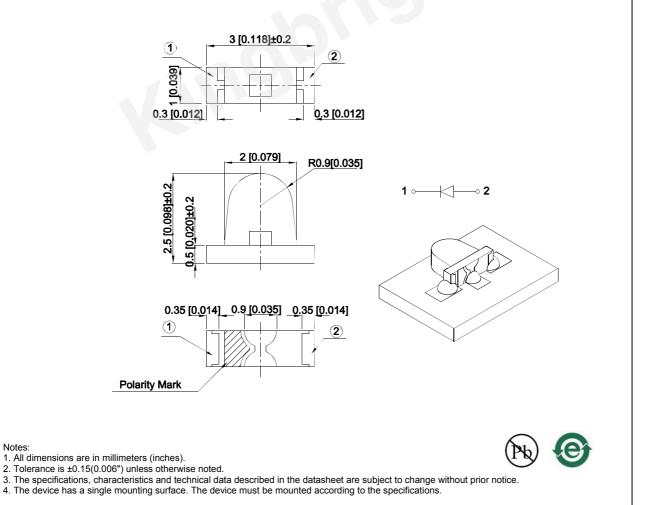
### 3. 0mmx1.0 mm RIGHT ANGLE SMD CHIP LED LAMP

Part Number: KPPA-3010SURCK Hyper Red

#### Descriptions

- The Hyper Red source color devices are made with AlGaInP on GaAs substrate Light Emitting Diode.
- Electrostatic discharge and power surge could damage the LEDs.
- It is recommended to use a wrist band or antielectrostatic glove when handling the LEDs.
- All devices, equipments and machineries must be electrically grounded.

### Package Dimensions



SPEC NO: DSAF4214 APPROVED: Wynec REV NO: V.7A CHECKED: Allen Liu 深圳市大靖科技有限公司 DATE: JUN16/2017djkj.com DRAWN: 哆曾若內@hgbright(今台)F聲系列整%所珠 原装正品,国内库存,当天发货,技术支持 电话:0755-23611637/23611737 传真:0755-23611837

#### Selection Guide

Selection Guide					
Part No.	Emitting Color (Material)	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
KPPA-3010SURCK	Hyper Red (AlColnD)	Water Clear	500	800	30°
	Hyper Red (AlGaInP)	Water Clear	*200	*300	

Notes:

1.  $\theta$ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.

2. Luminous intensity / luminous Flux: +/-15%. \* Luminous intensity value is traceable to CIE127-2007 standards.

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

Symbol	Parameter	Emitting Color	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Hyper Red	645		nm	IF=20mA
λD [1]	Dominant Wavelength	Hyper Red	630		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Hyper Red	28		nm	IF=20mA
С	Capacitance	Hyper Red	35		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Hyper Red	1.95	2.5	V	I⊧=20mA
lR	Reverse Current	Hyper Red		10	uA	VR=5V

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

3. Wavelength value is traceable to CIE127-2007 standards.

Excess driving current and / or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

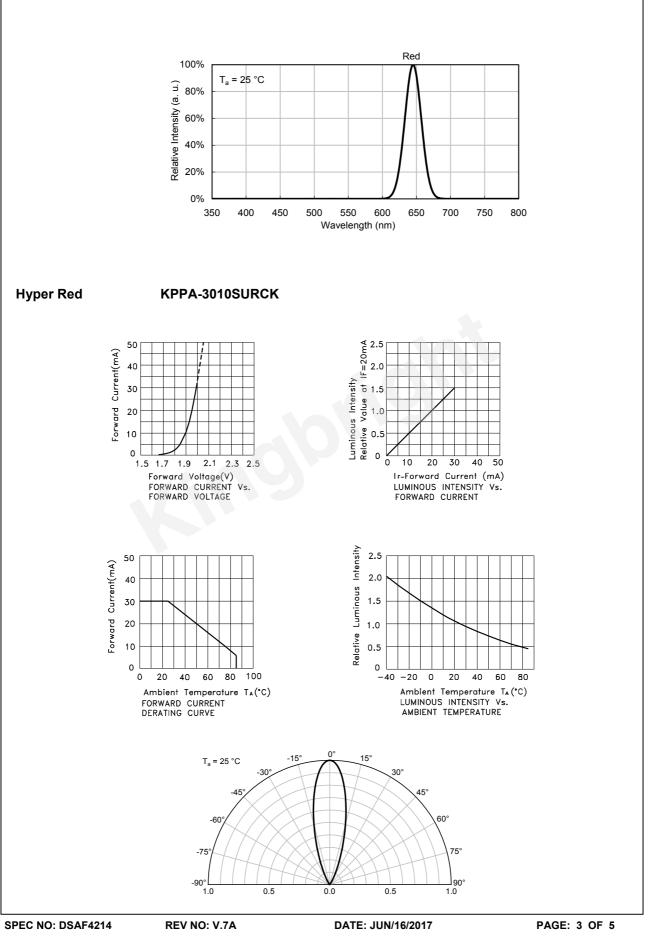
#### Absolute Maximum Ratings at TA=25°C

Parameter	Values	Units		
Power dissipation	75	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	185	mA		
Reverse Voltage	5	V		
Operating Temperature	-40°C To +85°C			
Storage Temperature	-40°C To +85°C			

Notes:

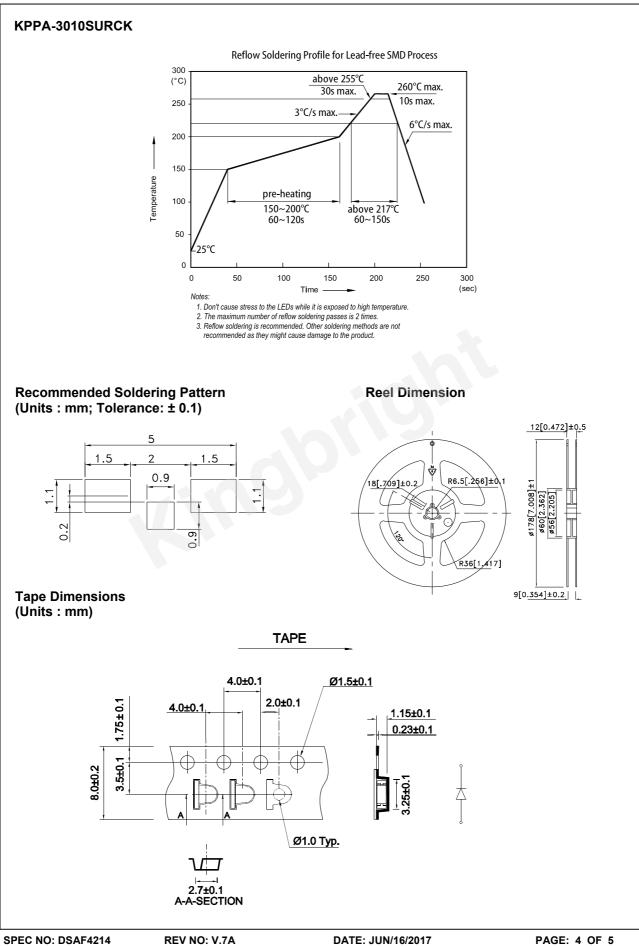
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. Relative humidity levels maintained between 40% and 60% in production area are recommended to avoid the build-up of static electricity - Ref JEDEC/JESD625-A and JEDEC/J-STD-033.



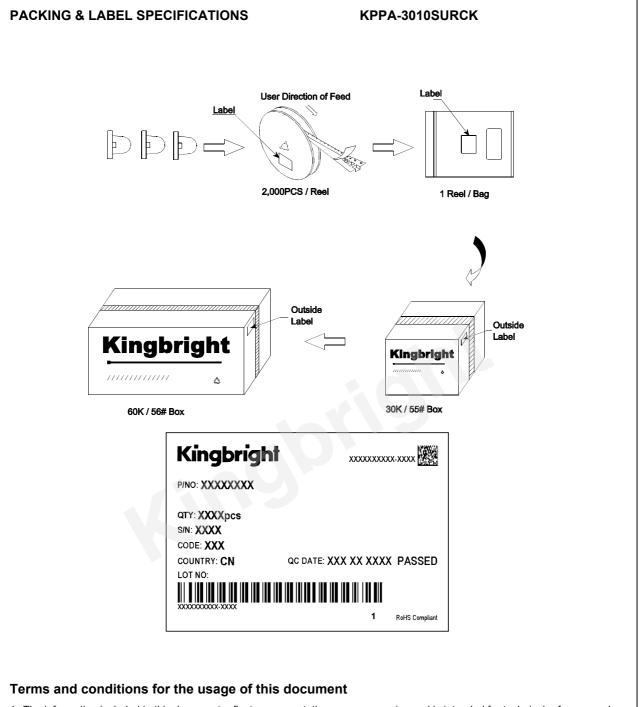
**CHECKED:** Allen Liu

DRAWN: W.Q.Zhong



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DATE: JUN/16/2017 DRAWN: W.Q.Zhong



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- 2. The part number, type, and specifications mentioned in this document are subject to future change and improvement without notice. Before production usage customer should refer to the latest datasheet for the updated specifications.
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