2.1x0.7mm RIGHT ANGLE SMD CHIP LED LAMP

Part Number: KPJA-2107SURCK Hyper Red

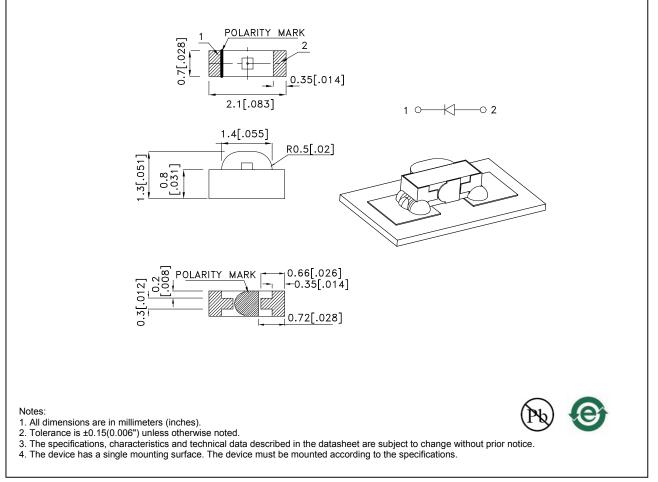
Features

- 2.1x0.7mm right angle SMT LED, 1.3mm thickness.
- Low power consumption.
- Wide viewing angle.
- Ideal for backlight and indicator.
- Various colors and lens types available.
- Package : 2000pcs / reel.
- Moisture sensitivity level : level 3.
- Tinned pads for improved solderability.
- RoHS compliant.

Description

The Hyper Red source color devices are made with Al-GalnP on GaAs substrate Light Emitting Diode.

Package Dimensions



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Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
KPJA-2107SURCK	Hyper Red (AlGaInP)	Water Clear	120	220	120°
		water Clear	*40	*80	

Notes:

θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.
Luminous intensity/ luminous Flux: +/-15%.
* Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

Electrical / Optical Characteristics at TA=25°C

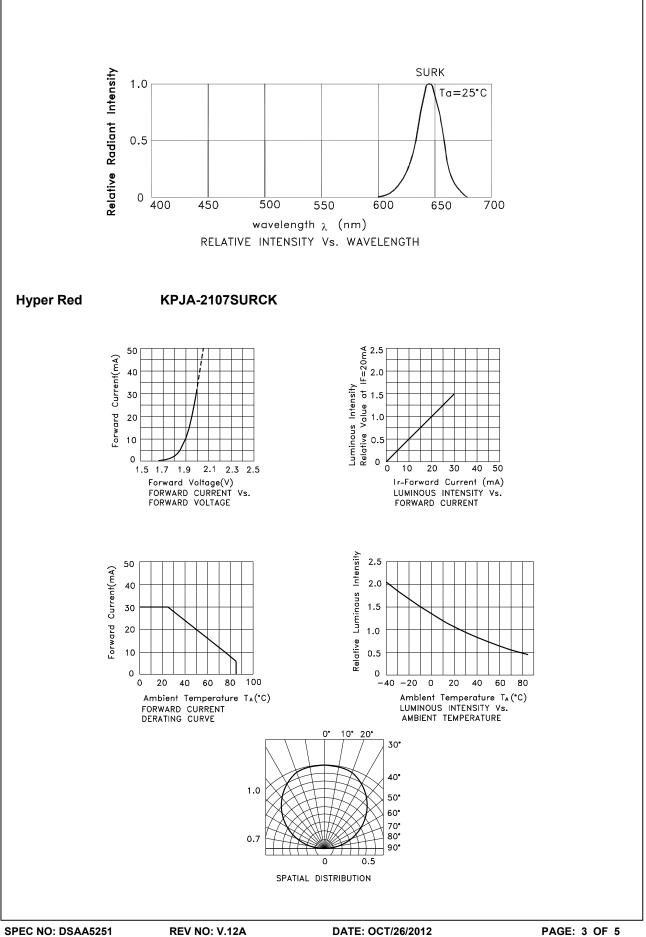
Symbol	Parameter	Device	Тур.		Тур.		Max.	Units	Test Conditions
λpeak	Peak Wavelength	Hyper Red	650	*645		nm	I⊧=20mA		
λD [1]	Dominant Wavelength	Hyper Red	630	*630		nm	I⊧=20mA		
Δλ1/2	Spectral Line Half-width	Hyper Red	28			nm	IF=20mA		
С	Capacitance	Hyper Red	35			pF	VF=0V;f=1MHz		
VF [2]	Forward Voltage	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. * Wavelength value is traceable to the CIE127-2007 compliant national standards.

Absolute Maximum Ratings at TA=25°C

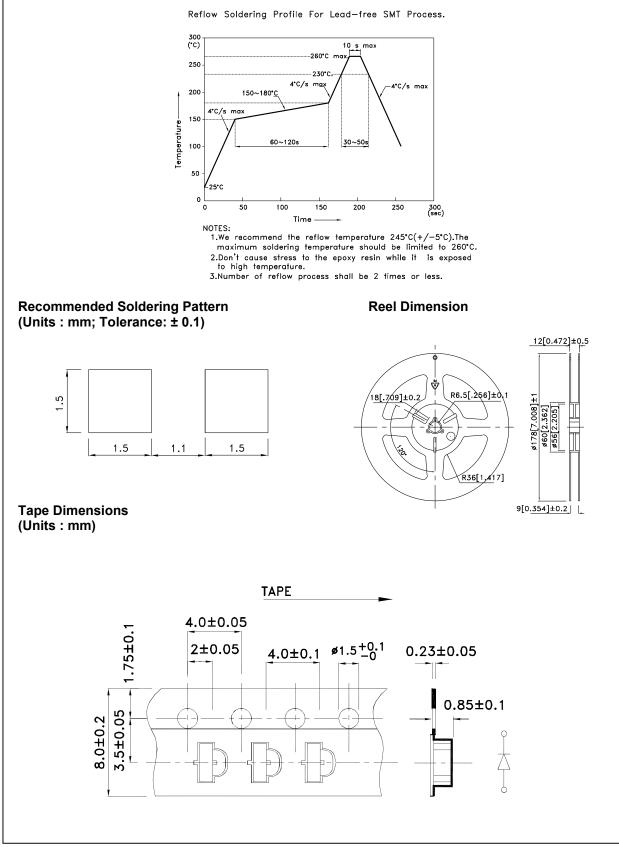
Parameter	Hyper Red	Units		
Power dissipation	75	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	185	mA		
Reverse Voltage	5	V		
Operating Temperature	-40°C To +85°C			
Storage Temperature	-40°C To +85°C			

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



KPJA-2107SURCK

Reflow soldering is recommended and the soldering profile is shown below. Other soldering methods are not recommended as they might cause damage to the product.



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