1.6X0.8mm SMD CHIP LED LAMP

Part Number: KP-1608LSURCK Hyper Red

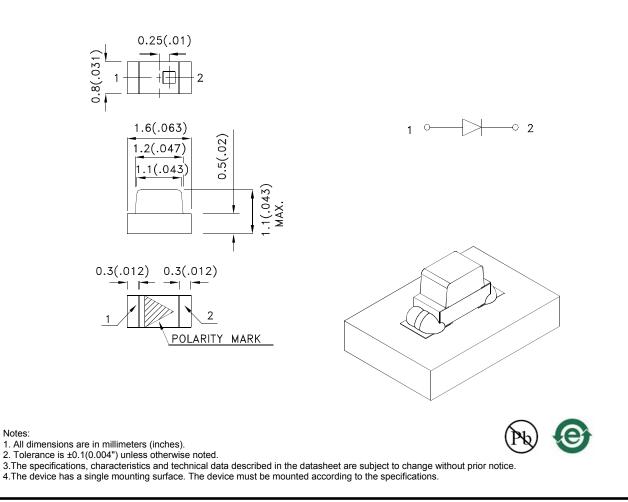
Features

- 1.6mmX0.8mm SMT LED, 1.1mm 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.
- Low current IF=2mA operating.
- RoHS compliant.

Description

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

Package Dimensions



SPEC NO: DSAG6519 APPROVED: WYNEC REV NO: V.4 CHECKED: Allen Liu DATE: SEP/09/2010 DRAWN: Y.H.Wu PAGE: 1 OF 5 ERP: 1203003829

Selection Guide										
Part No.	Dice	Lens Type	lv (mcd) [2] @ 2mA		Viewing Angle [1]					
			Min.	Тур.	201/2					
KP-1608LSURCK	Hyper Red (AlGaInP)	Water Clear	10	22	120°					

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%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Hyper Red	650		nm	I⊧=2mA
λD [1]	Dominant Wavelength	Hyper Red	630		nm	I⊧=2mA
Δλ1/2	Spectral Line Half-width	Hyper Red	28		nm	I⊧=2mA
С	Capacitance	Hyper Red	35		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Hyper Red	1.75	2.5	V	I⊧=2mA
IR	Reverse Current	Hyper Red		10	uA	VR=5V

Notes:

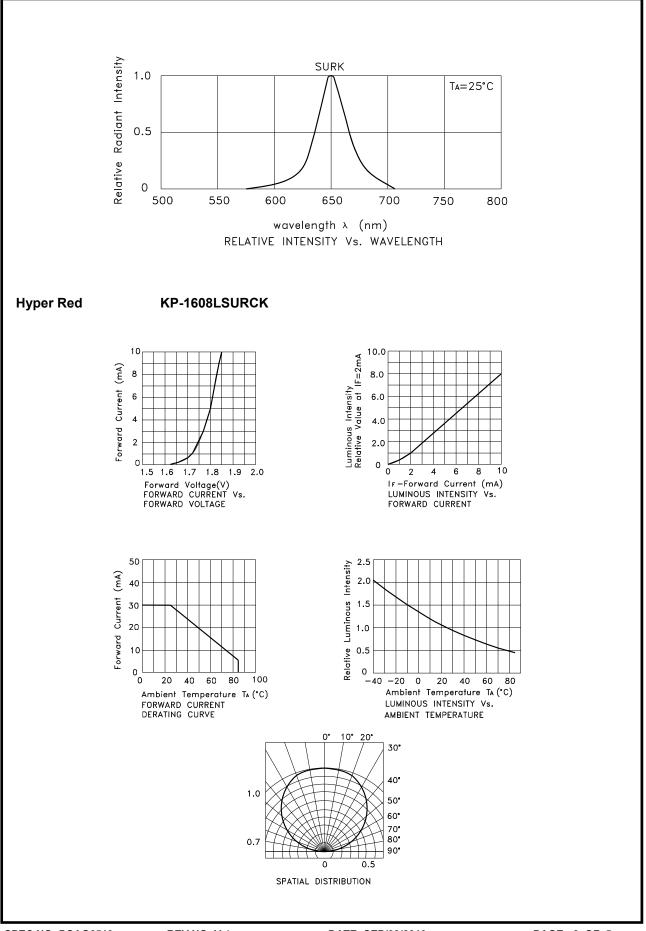
1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

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:

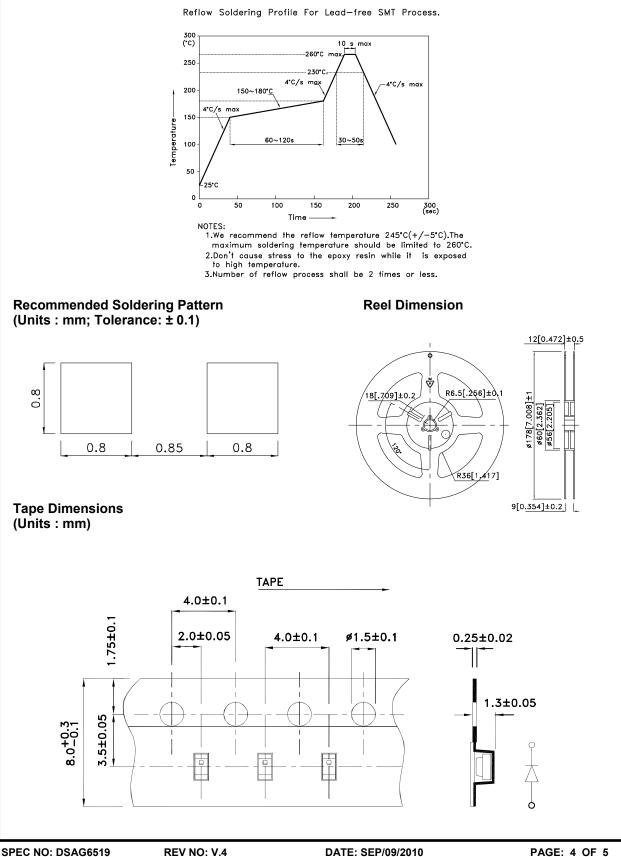
1. 1/10 Duty Cycle, 0.1ms Pulse Width.



DATE: SEP/09/2010 DRAWN: Y.H.Wu

KP-1608LSURCK

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.



SPEC NO: DSAG6519 APPROVED: WYNEC

CHECKED: Allen Liu

DATE: SEP/09/2010 DRAWN: Y.H.Wu PAGE: 4 OF 5 ERP: 1203003829

