#### 3.2x1.6mm SMD CHIP LED LAMP

Part Number: KP-3216HD

Bright Red

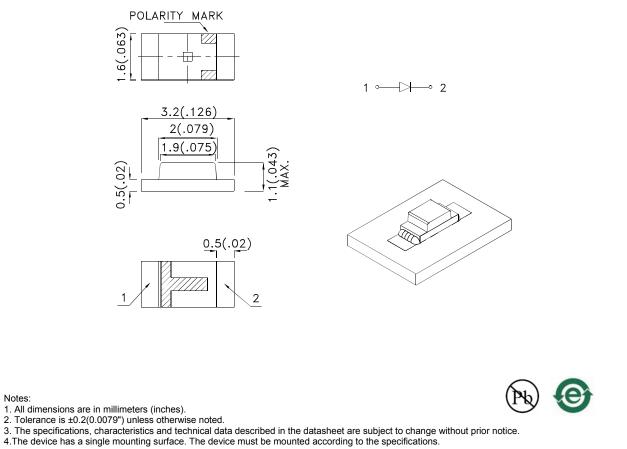
#### **Features**

- 3.2mmx1.6mm SMT LED, 1.1mm thickness.
- Low power consumption.
- Wide viewing angle.
- Ideal for backlight and indicator.
- Package : 2000pcs / reel.
- Moisture sensitivity level : level 3.
- RoHS compliant.

#### Description

The Bright Red source color devices are made with Gallium Phosphide Red Light Emitting Diode.

#### **Package Dimensions**



Notes:

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#### Selection Guide

Part No.	Dice	Lens Type	lv (mc @ 20		
			Min.	Тур.	201/2
KP-3216HD	Bright Red (GaP)	Red Diffused	0.35	0.8	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%.
Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

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

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Bright Red	700		nm	IF=20mA
λD [1]	Dominant Wavelength	Bright Red	635		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Bright Red	45		nm	IF=20mA
С	Capacitance	Bright Red	40		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Bright Red	2.25	2.5	V	I⊧=20mA
lr	Reverse Current	Bright Red		10	uA	VR=5V

Notes:

1.Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

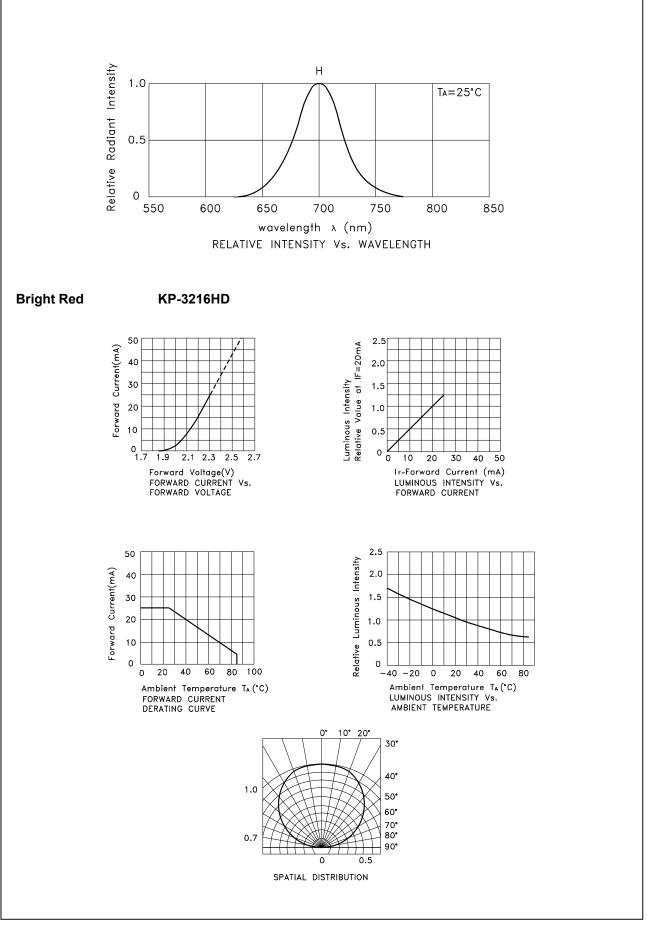
3. Wavelength value is traceable to the CIE127-2007 compliant national standards.

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

Parameter	Bright Red	Units		
Power dissipation	62.5	mW		
DC Forward Current	25	mA		
Peak Forward Current [1]	130	mA		
Reverse Voltage	5	V		
Operating Temperature	-40°C To +85°C			
Storage Temperature	-40°C To +85°C			

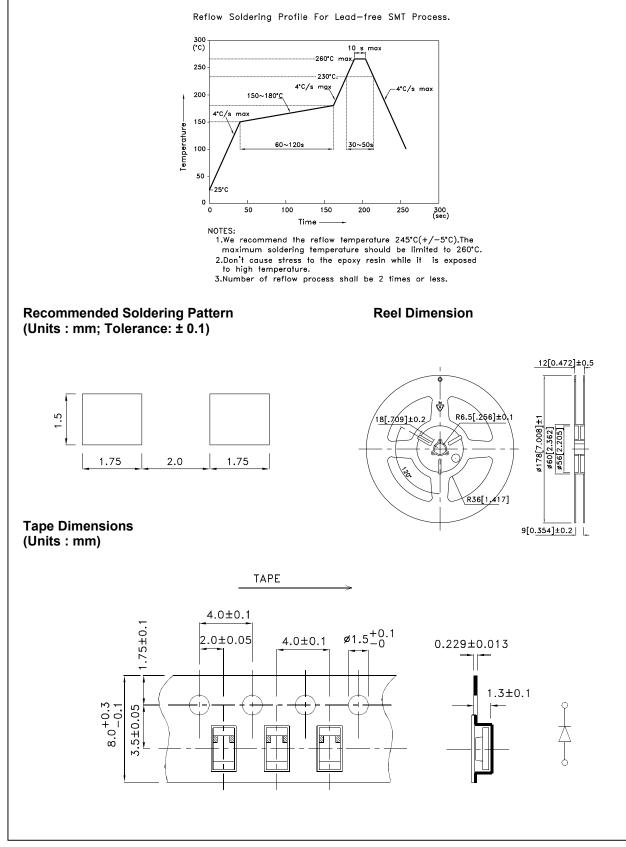
Note:

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

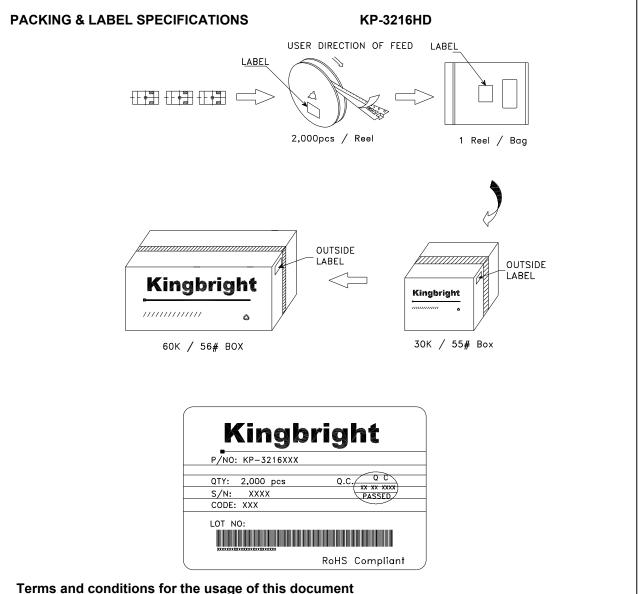


#### KP-3216HD

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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### 1. The information included in this document reflects representative usage scenarios and is intended

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