1.6X0.8mm SMD CHIP LED LAMP

PRELIMINARY SPEC

Part Number: KP-1608ID HIGH EFFICIENCY RED

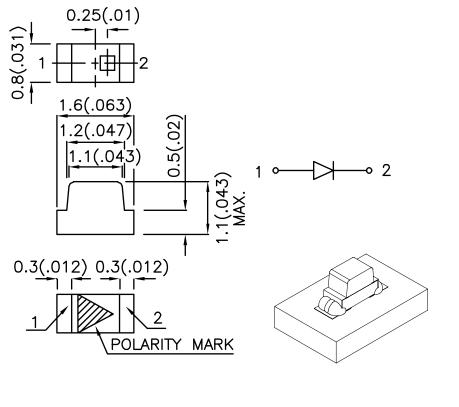
Features

- •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.
- •RoHS COMPLIANT.

Description

The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.





Notes:

1. All dimensions are in millimeters (inches).

2. Tolerance is $\pm 0.1 (0.004")$ unless otherwise noted.

3. Specifications are subject to change without notice.

4. The device has a single mounting surface. The device must be mounted according to the specifications.

SPEC NO: DSAC2316 APPROVED: WYNEC REV NO: V.6 CHECKED: Allen Liu DATE: APR/30/2007 DRAWN: W.J.HUA

Selection Guide

Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
KP-1608ID	HIGH EFFICIENCY RED (GaAsP/GaP)	RED DIFFUSED	4	10	120°

Notes:

1.q1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value. 2.Luminous Intensity/ Luminous Flux: +/-15%

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	High Efficiency Red	627		nm	IF=20mA
λD[1]	Dominant Wavelength	High Efficiency Red	625		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	High Efficiency Red	45		nm	IF=20mA
С	Capacitance	High Efficiency Red	15		pF	VF=0V;f=1MHz
VF[2]	Forward Voltage	High Efficiency Red	2.0	2.5	V	IF=20mA
lr	Reverse Current	High Efficiency Red		10	uA	VR = 5V

Notes:

1.Wavelength: +/-1nm

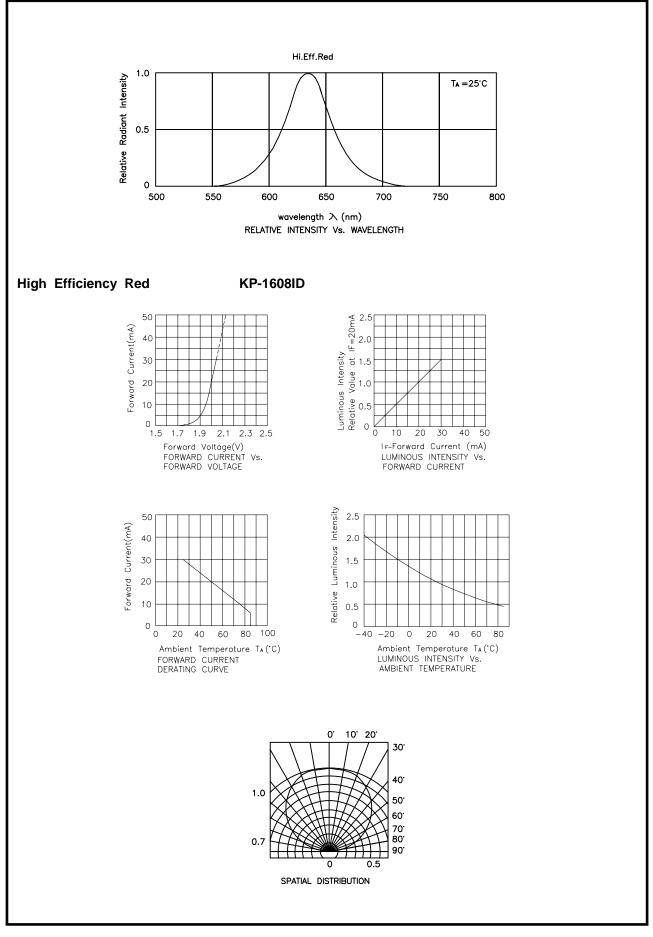
2.Forward Voltage: +/-0.1V

Absolute Maximum Ratings at TA=25°C

Parameter	High Efficiency Red	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	160	mA	
Reverse Voltage	5	V	
Operating/Storage Temperature	-40°C To +85°C		

Note:

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



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