3.2x1.6mm BI-COLOR SMD CHIP LED LAMP

PRELIMINARY SPEC

Part Number: KPTB-3216ESGC

HIGH EFFICIENCY RED SUPER BRIGHT GREEN

Features

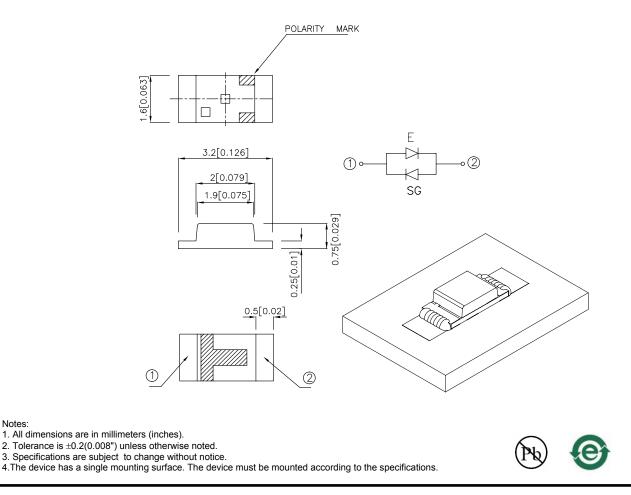
- •3.2mmx1.6mm SMT LED, 0.75mm THICKNESS.
- •LOW POWER CONSUMPTION.
- •WIDE VIEWING ANGLE.
- •IDEAL FOR BACKLIGHT AND INDICATOR.
- •VARIOUS COLORS AND LENS TYPES AVAILABLE.
- •PACKAGE : 2000PCS / REEL.
- •MOISTURE SENSITIVITY LEVEL : LEVEL 3.
- •RoHS COMPLIANT.

Description

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

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

Package Dimensions



SPEC NO: DSAH4329 **APPROVED: WYNEC**

Notes:

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PAGE: 1 OF 5

Selection Guide

Part No.	Dice	Lens Type	lv (mc @ 20		Viewing Angle [1]
			Min.	Тур.	201/2
KPTB-3216ESGC	HIGH EFFICIENCY RED (GaAsP/GaP)	WATER CLEAR	4	12	130°
	SUPER BRIGHT GREEN (GaP)	WATER CLEAR	4	12	

Notes:

1. θ 1/2 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 Super Bright Green	627 565		nm	I⊧=20mA
λD [1]	Dominant Wavelength	High Efficiency Red Super Bright Green	625 568		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	High Efficiency Red Super Bright Green	45 30		nm	I⊧=20mA
С	Capacitance	High Efficiency Red Super Bright Green	15 15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	High Efficiency Red Super Bright Green	2.0 2.2	2.5 2.5	V	l⊧=20mA

Notes:

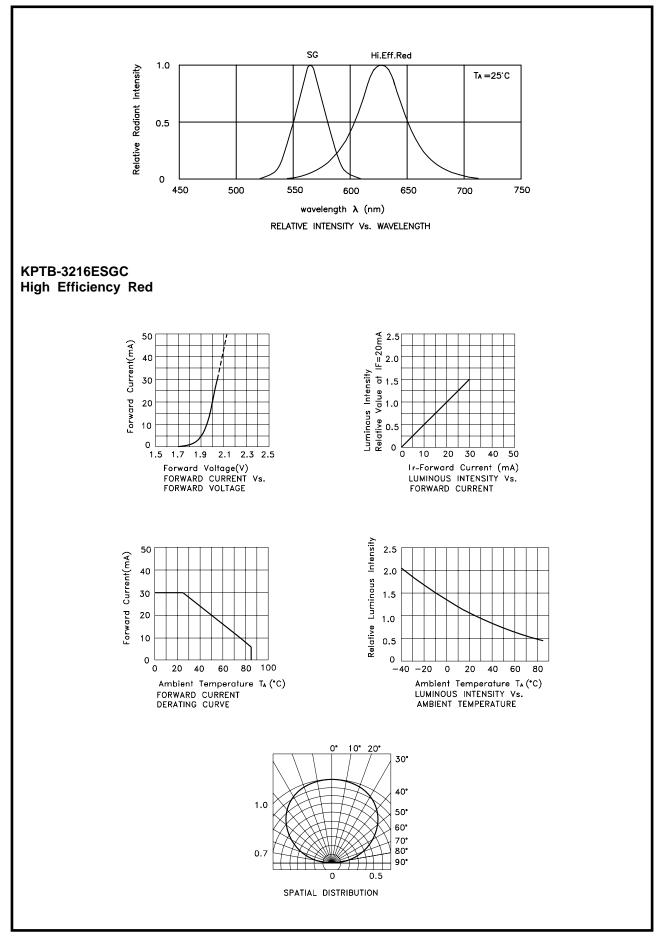
1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

Parameter	High Efficiency Red	Super Bright Green	Units	
Power dissipation	75	62.5	mW	
DC Forward Current	30	25	mA	
Peak Forward Current [1]	160	140	mA	
Operating / Storage Temperature	-40°C To +85°C			

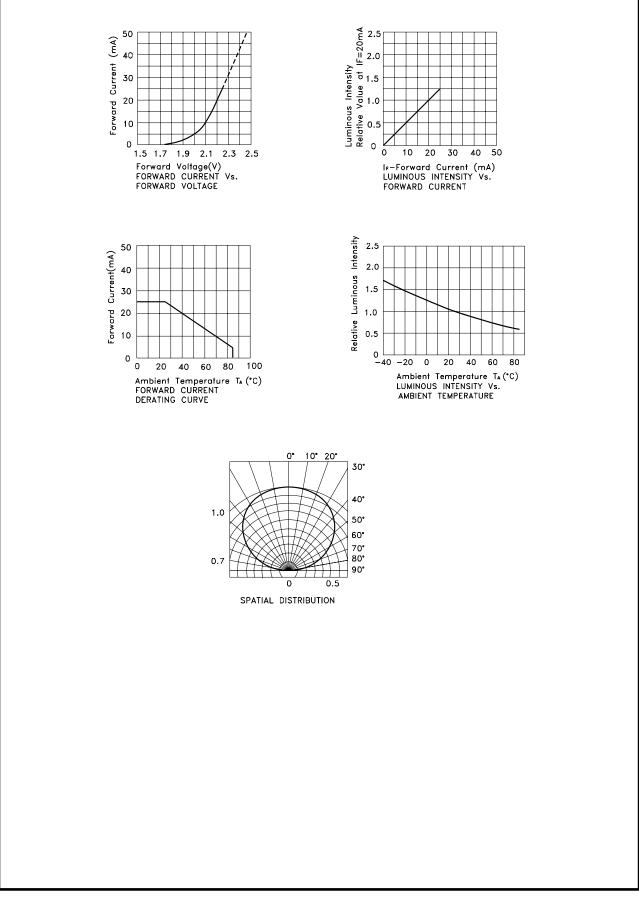
Note:

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

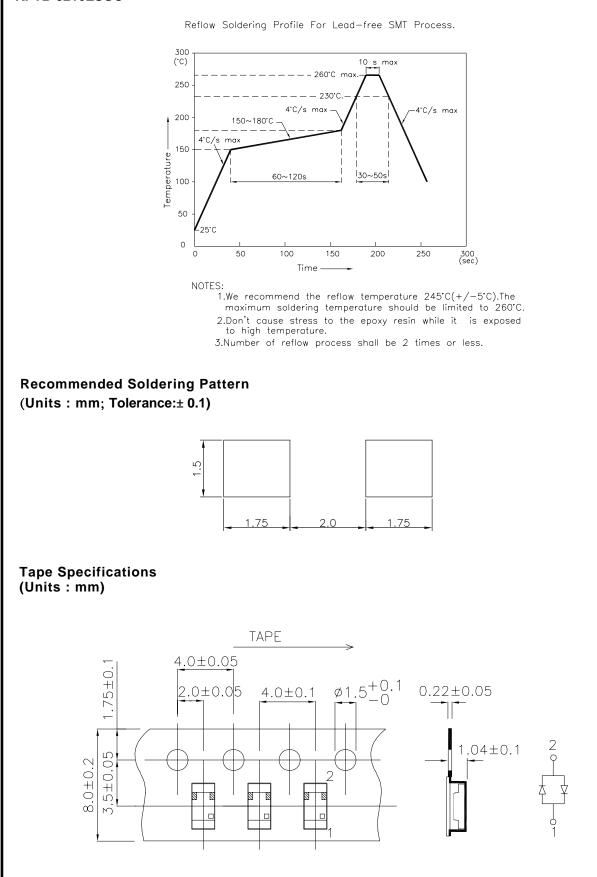


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Super Bright Green



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