### 3.5x2.8mm SURFACE MOUNT LED LAMP

Part Number: KA-3528AEC

High Efficiency Red

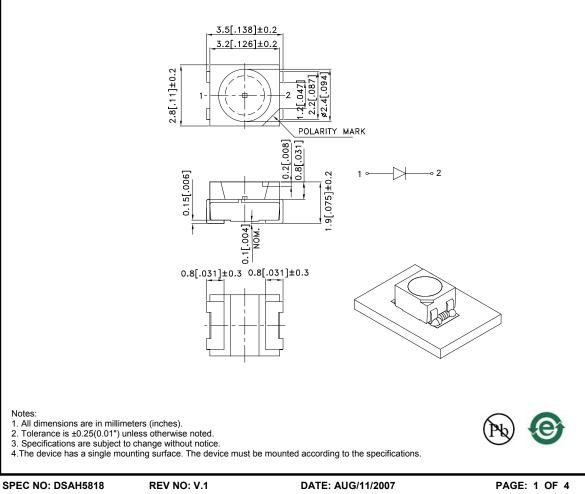
ERP: 1201002963

#### **Features**

- SINGLE COLOR.
- SUITABLE FOR ALL SMT ASSEMBLY AND SOLDER PROCESS.
- AVAILABLE ON TAPE AND REEL.
- IDEAL FOR BACKLIGHTING.
- PACKAGE : 1500PCS / REEL.
- MOISTURE SENSITIVITY LEVEL : LEVEL 4.
- RoHS COMPLIANT.

#### Description

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



DRAWN: Y.L.LI

#### **Package Dimensions**

APPROVED: WYNEC

**CHECKED:** Allen Liu

Notes:

Selection Guide										
Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]					
			Min.	Тур.	201/2					
KA-3528AEC	High Efficiency Red (GaAsP/GaP)	WATER CLEAR	7	30	120°					

Notes:

θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
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	I⊧=20mA
λD [1]	Dominant Wavelength	High Efficiency Red	625		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	High Efficiency Red	45		nm	I⊧=20mA
С	Capacitance	High Efficiency Red	15		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	High Efficiency Red	2	2.5	V	I⊧=20mA
IR	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 Temperature	-40°C To +85°C		
Storage Temperature	-40°C To +85°C		

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

SPEC NO: DSAH5818 APPROVED: WYNEC

REV NO: V.1 CHECKED: Allen Liu DATE: AUG/11/2007 DRAWN: Y.L.LI

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