### SURFACE MOUNT DISPLAY

Part Number: KCSC03-101

High Efficiency Red

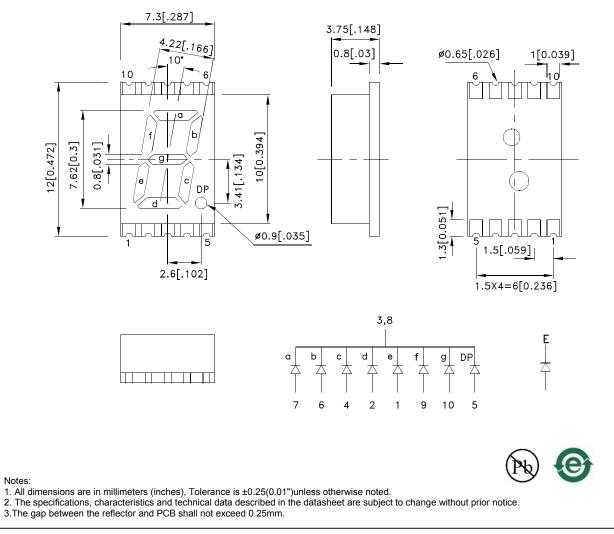
#### Features

- 0.3 inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Gray face, white segment.
- Package : 550pcs / reel.
- Moisture sensitivity level : level 2a.
- RoHS compliant.

#### Description

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

#### Package Dimensions& Internal Circuit Diagram



SPEC NO: DSAF9917 APPROVED: WYNEC REV NO: V.5A CHECKED: Joe Lee DATE: MAR/31/2012 DRAWN: C.H.Han PAGE: 1 OF 5 ERP: 1351000454

Selection Guide									
Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description				
			Min.	Тур.					
KCSC03-101	High Efficiency Red (GaAsP/GaP)	White Diffused	1400	2500	Common Cathode, Rt.				
			*360	*700	Hand Decimal.				

Notes: 1. Luminous intensity/ luminous Flux: +/-15%. \* Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

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

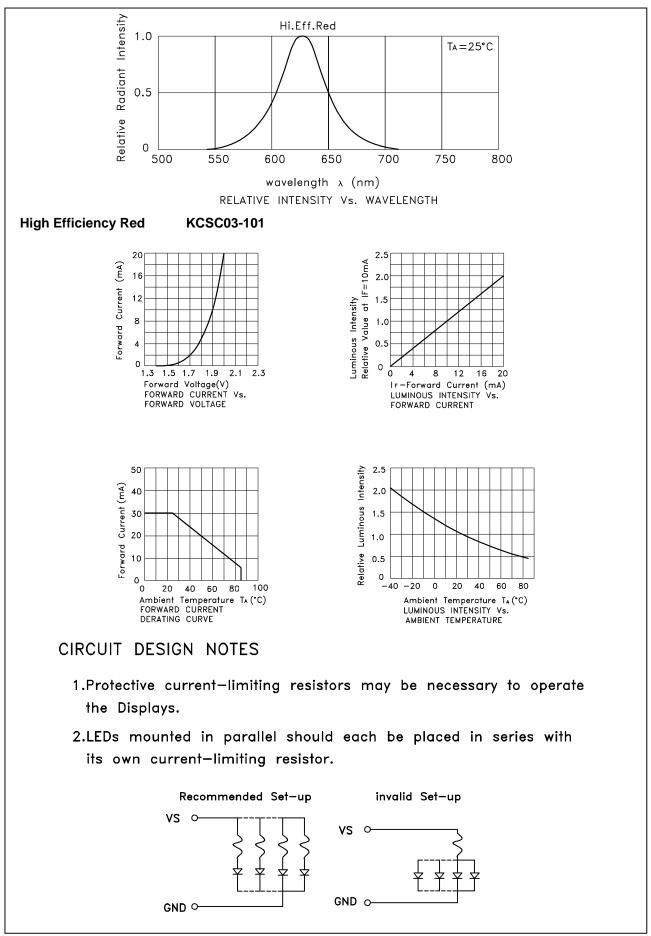
Symbol	Parameter	Device	Тур.		Max.	Units	Test Conditions
λpeak	Peak Wavelength	High Efficiency Red	627	*627		nm	IF=20mA
λD [1]	Dominant Wavelength	High Efficiency Red	625	*617		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	High Efficiency Red	45			nm	IF=20mA
С	Capacitance	High Efficiency Red	15			pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	High Efficiency Red	2.0		2.5	V	I⊧=20mA
IR	Reverse Current	High Efficiency Red			10	uA	VR=5V

Notes: 1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. \* Wavelength value is traceable to the CIE127-2007 compliant national standards.

#### 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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