

### 38.1mm (1.5INCH) SINGLE DIGIT NUMERIC DISPLAY

Part Number: SA15-11EWA

High Efficiency Red

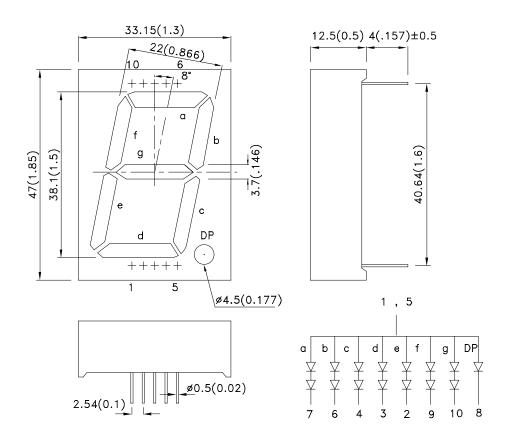
#### **Features**

- 1.5 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- HIGH LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- MULTICOLOR AVAILABLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- 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**



Notes:

1. All dimensions are in millimeters (inches), Tolerance is  $\pm$  0.25(0.01")unless otherwise noted.

2. Specifications are subject to change without notice.





 SPEC NO: DSAA5264
 REV NO: V.11
 DATE: MAY/24/2007
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 APPROVED: WYNEC
 CHECKED: Joe Lee
 DRAWN: Y.L.LI
 ERP: 1301000190

#### **Selection Guide**

	Part No.	Dice	Lens Type	lv (uc @ 10	,	Description
				Min.	Тур.	-
S	6A15-11EWA	High Efficiency Red (GaAsP/GaP)	WHITE DIFFUSED	3000	16000	Common Anode, Rt. Hand Decimal.

#### Note:

### 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	IF=20mA
С	Capacitance	High Efficiency Red	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage Per Segment Or (DP)	High Efficiency Red	4.0 (2.0)	5.0 (2.5)	V	IF=20mA
lR	Reverse Current Per Segment Or (DP)	High Efficiency Red		10 (10)	uA	VR=10V (VR=5V)

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

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

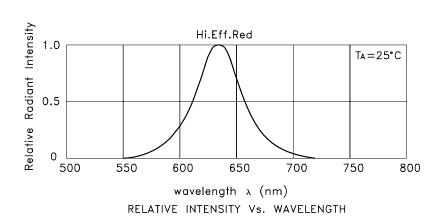
Parameter	High Efficiency Red		
Power dissipation Per Segment Or (DP)	150 (75)	mW	
DC Forward Current Per Segment Or (DP)	30 (30)	mA	
Peak Forward Current [1] Per Segment Or (DP)	160 (160)	mA	
Reverse Voltage Per Segment Or (DP)	10 (5)	V	
Operating / Storage Temperature	-40°C To +85°C		
Lead Solder Temperature[2]	260°C For 3-5 Seconds		

#### Notes:

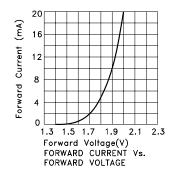
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
 2. 2mm below package base.

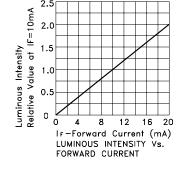
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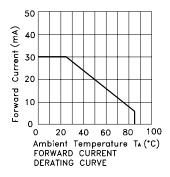
<sup>1.</sup> Luminous intensity/ luminous Flux: +/-15%.

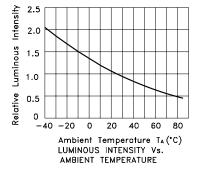


High Efficiency Red SA15-11EWA



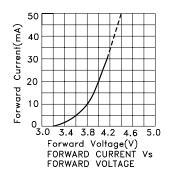


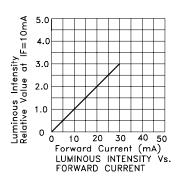


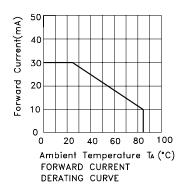


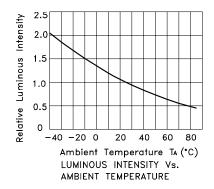
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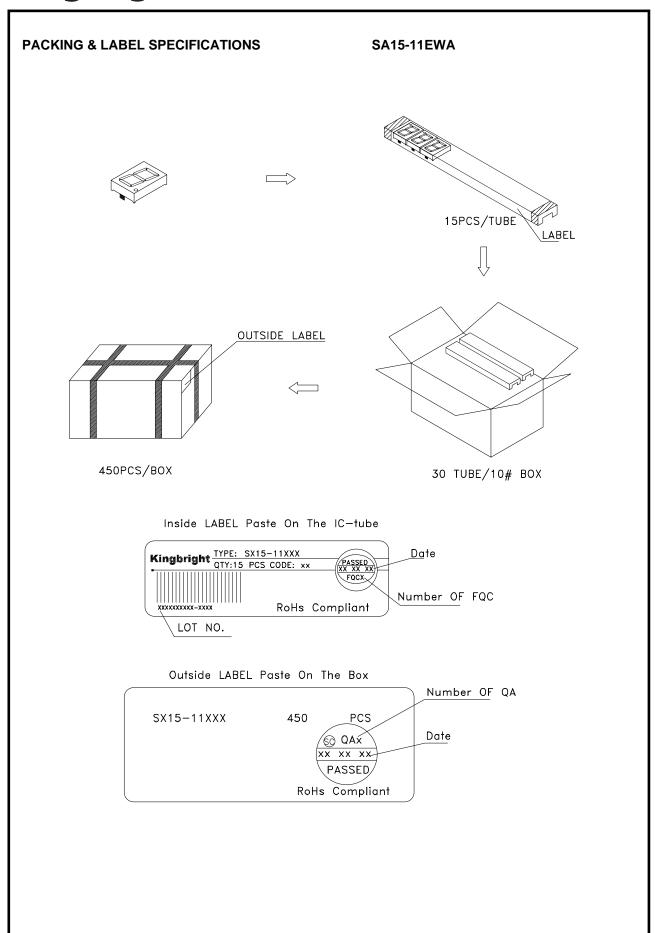






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