

44.5mm (1.75INCH) SINGLE DIGIT NUMERIC DISPLAY

Part Number: SA18-11EWA

High Efficiency Red

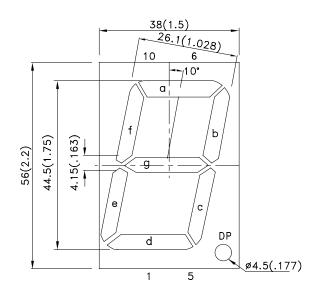
Features

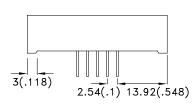
- 1.75 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.

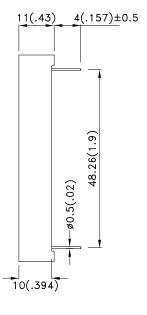
Description

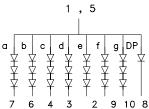
The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.

Package Dimensions& Internal Circuit Diagram









Notes

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

2. Specifications are subject to change without notice.





 SPEC NO: DSAB5563
 REV NO: V.5
 DATE: MAY/24/2007
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 APPROVED: WYNEC
 CHECKED: Joe Lee
 DRAWN: Y.L.LI
 ERP: 1301000205

Selection Guide

Part No.	Dice	Lens Type	lv (uc @ 10	,	Description
			Min.	Тур.	-
SA18-11EWA	High Efficiency Red (GaAsP/GaP)	WHITE DIFFUSED	4700	24000	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	6.0 (2.0)	7.5 (2.5)	V	IF=20mA
lR	Reverse Current Per Segment Or (DP)	High Efficiency Red		10 (10)	uA	VR=15V (VR=5V)

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

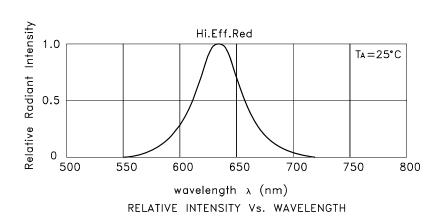
Absolute Maximum Ratings at TA=25°C

Parameter	High Efficiency Red	Units	
Power dissipation Per Segment Or (DP)	225 (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)	15 (5)	V	
Operating / Storage Temperature	-40°C To +85°C		
Lead Solder Temperature[2]	260°C For 3-5 Seconds		

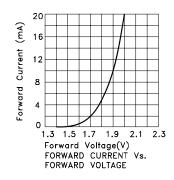
- 1. 1/10 Duty Cycle, 0.1ms Pulse Width.
 2. 2mm below package base.

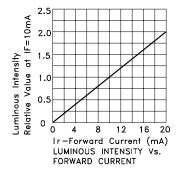
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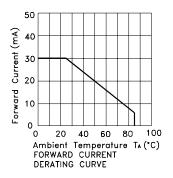
^{1.} Luminous intensity/ luminous Flux: +/-15%.

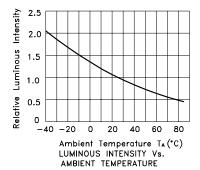


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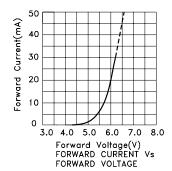


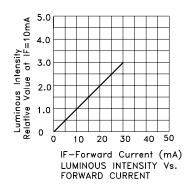


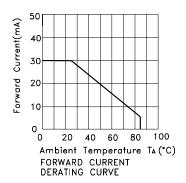


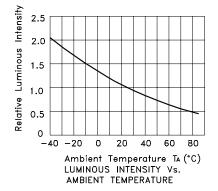
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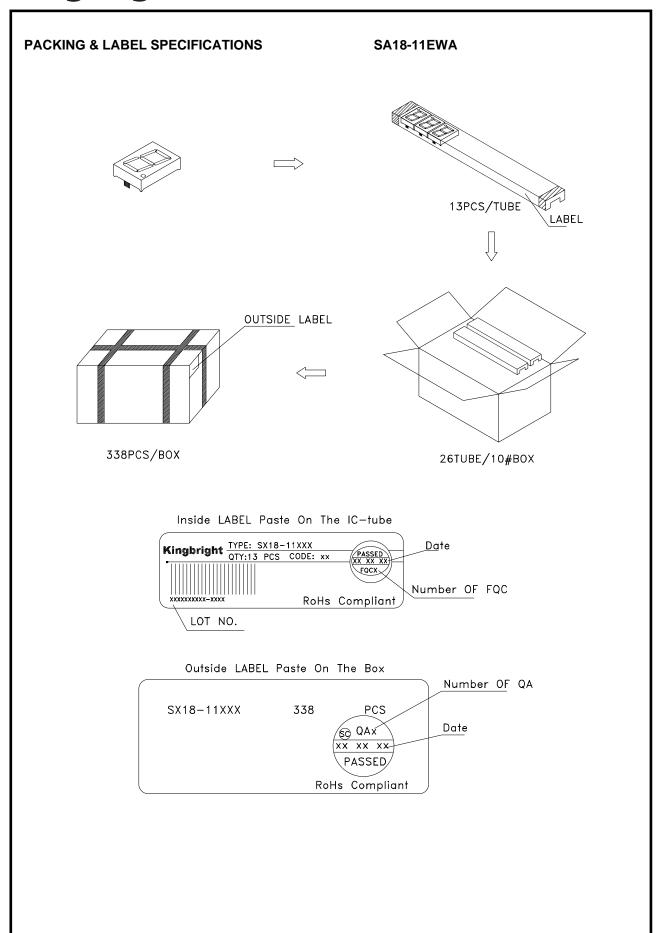






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