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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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#### 26mm (1.02 INCH) SINGLE DIGIT NUMERIC DISPLAY

Part Number: SC10-11EWA

High Efficiency Red

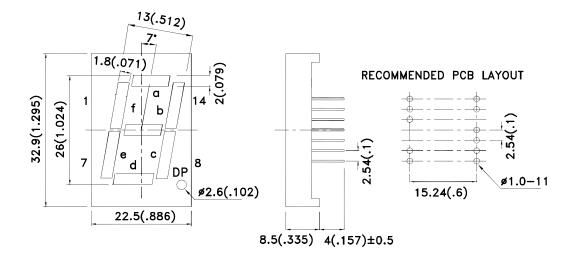
#### **Features**

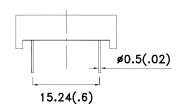
- 1.02 inch digit height.
- Low current operation.
- Excellent character appearance.
- High light output.
- Easy mounting on P.C. boards or sockets.
- Mechanically rugged.
- Standard : gray face, white segment.
- RoHS compliant.

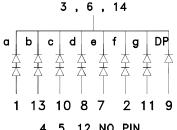
### Description

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**







4, 5, 12 NO PIN

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

2. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.





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### **Selection Guide**

Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description
		,	Min.	Тур.	
SC10-11EWA	High Efficiency Red (GaAsP/GaP)	WHITE DIFFUSED	8000	24000	Common Cathode, 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	IF=20mA
λD [1]	Dominant Wavelength	High Efficiency Red	625		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 Per Segment Or (DP)	High Efficiency Red	4.0 (2.0)	5.0 (2.5)	V	I==20mA
lR	Reverse Current Per Segment Or (DP)	High Efficiency Red		10 (10)	uA	VR=10V (VR=5V)

#### Notes:

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

Parameter	High Efficiency Red	Units		
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	rage Temperature -40°C To +85°C			
Lead Solder Temperature[2]	260°C For 3-5 Seconds			

#### Notes:

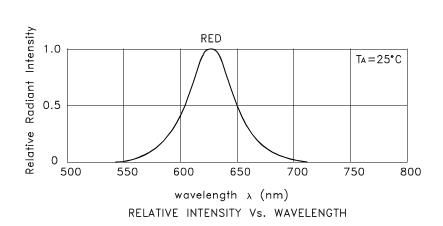
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.

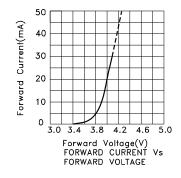
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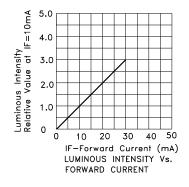
<sup>1.</sup> Luminous intensity/ luminous Flux: +/-15%.

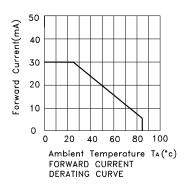
<sup>1.</sup>Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

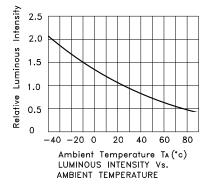


# High Efficiency Red SC10-11EWA



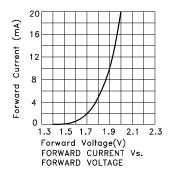


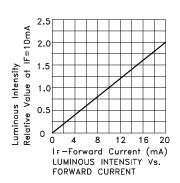


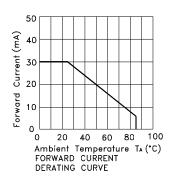


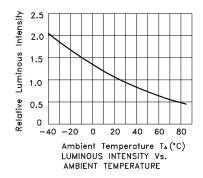
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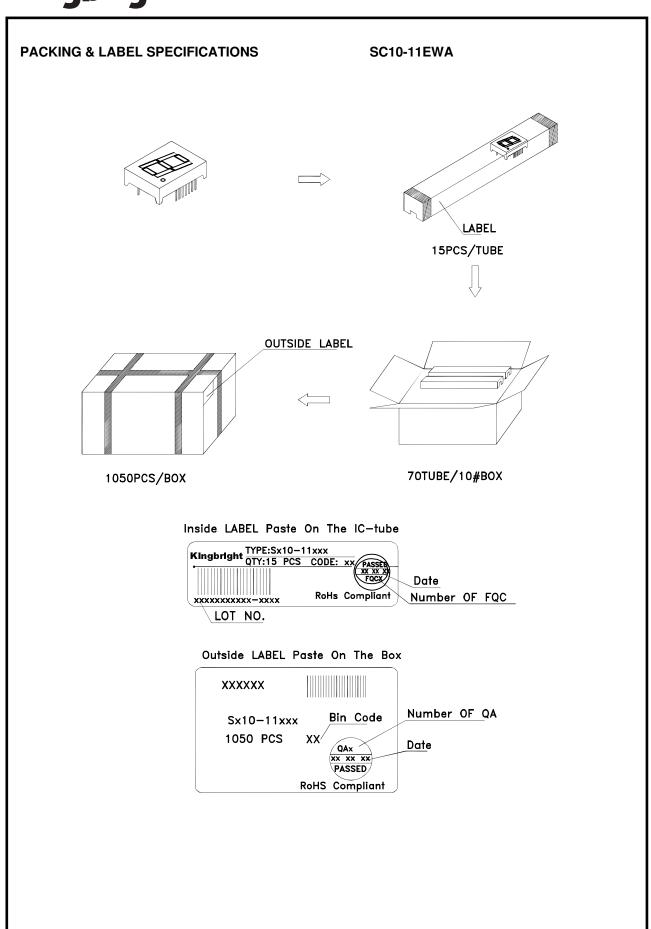






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