9.9mm (0.39INCH) SINGLE DIGIT NUMERIC DISPLAY

P/N: SC39-11EWA

HIGH EFFICIENCY RED

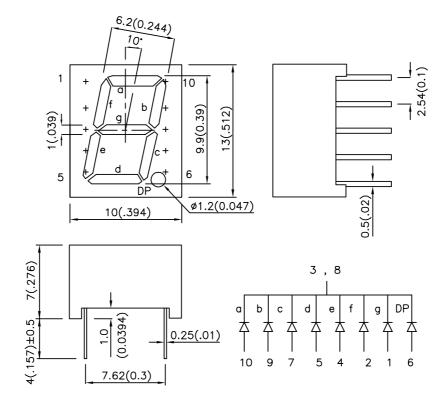
Features

- •0.39 INCH DIGIT HEIGHT.
- •LOW CURRENT OPERATION.
- •EXCELLENT CHARACTER APPEARANCE.
- •EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- •I.C. COMPATIBLE.
- •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.

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 APPROVED: J. Lu
 CHECKED: Joe Lee
 DRAWN: Y.L.LI
 ERP:1301000912

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Selection Guide

Part No.	Dice	Lens Type	lv (ucd) @ 10mA		Description
			Min.	Тур.	-
SC39-11EWA	HIGH EFFICIENCY RED(GaAsP/GaP)	WHITE DIFFUSED	800	4100	Common Cathode,Rt. Hand Decimal.

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	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	Forward Voltage	High Efficiency Red	2.0	2.5	V	IF=20mA
IR	Reverse Current	High Efficiency Red		10	uA	VR = 5V

Absolute Maximum Ratings at Ta=25°C

Parameter	High Efficiency Red		
Power dissipation	105	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	160	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C	<u>.</u>	
Lead Solder Temperature [2]	260°C For 5 Seconds		

Notes

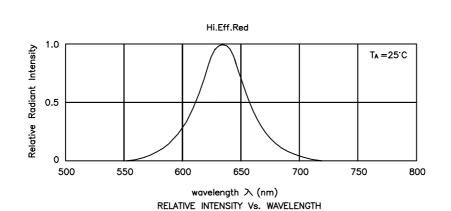
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.

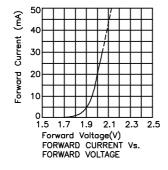
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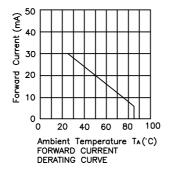
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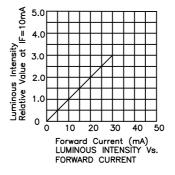
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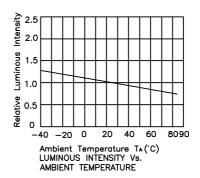


High Efficiency Red SC39-11EWA



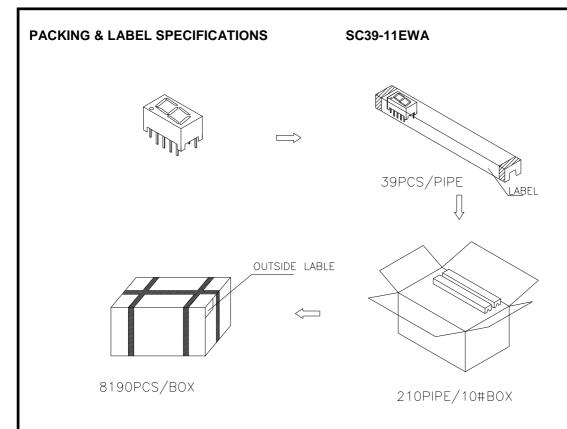


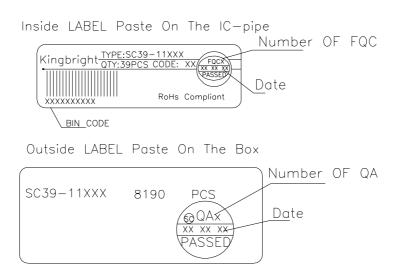




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Remarks:

If special sorting is required (e.g. binning based on forward voltage, Luminous intensity/ luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

- 1. Wavelength: +/-1nm
- 2. Luminous intensity/ luminous flux: +/-15%
- 3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

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