

Part Number: SC15-11EWA HIGH EFFICIENCY RED

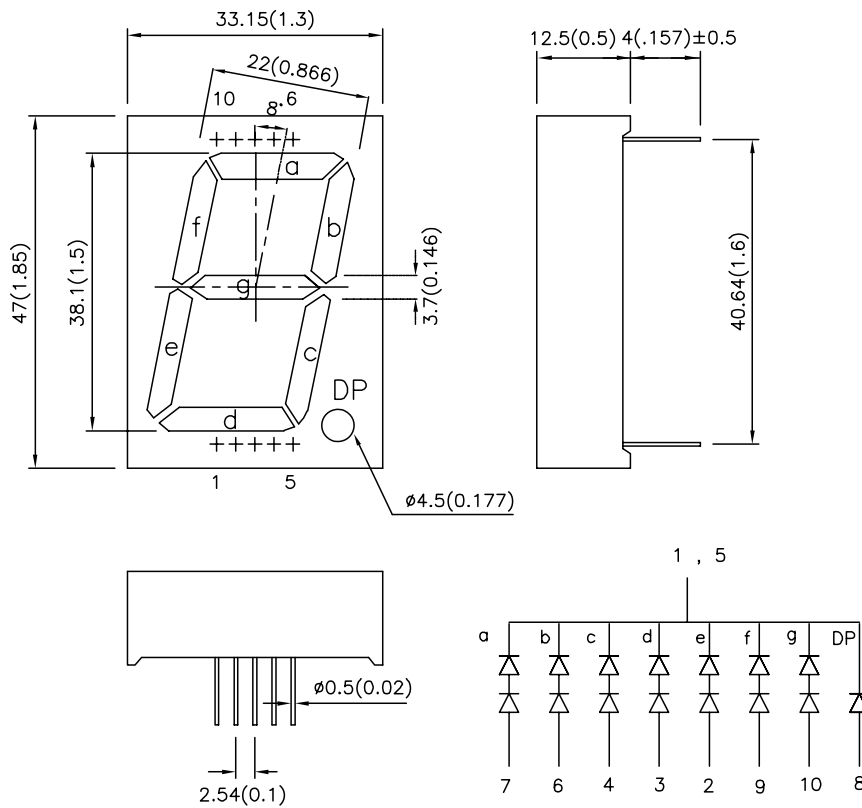
Features

- 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 subjected to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
SC15-11EWA	HIGH EFFICIENCY RED (GaAsP/GaP)	WHITE DIFFUSED	3000	16000	Common Cathode,Rt. Hand Decimal.

Note:

1. Luminous Intensity / Luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	High Efficiency Red	627		nm	IF=20mA
λ_D [1]	Dominant Wavelength	High Efficiency Red	625		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	High Efficiency Red	45		nm	IF=20mA
C	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
IR	Reverse Current Per segment or (Dp)	High Efficiency Red		10 (10)	uA	VR = 10V (VR = 5V)

Notes:

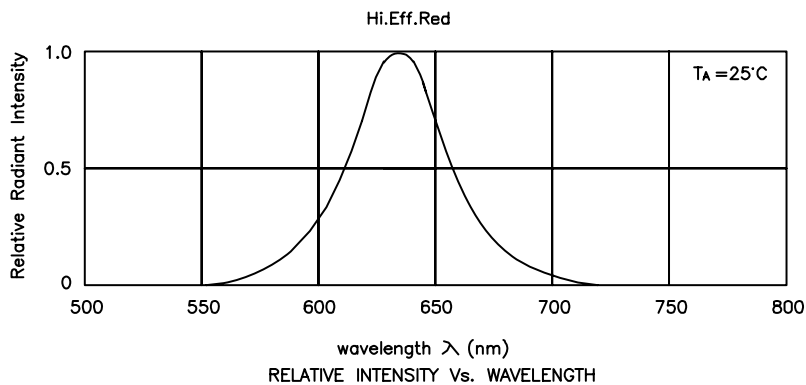
1. Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

Parameter	High Efficiency Red	Units
Power dissipation Per segment or (Dp)	150(105)	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 Seconds	

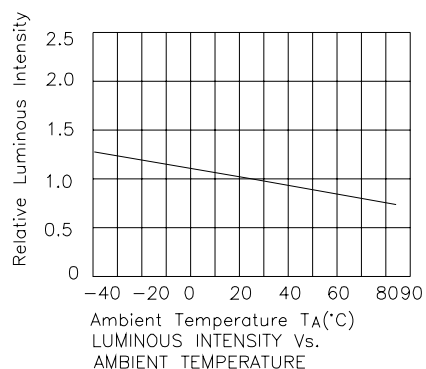
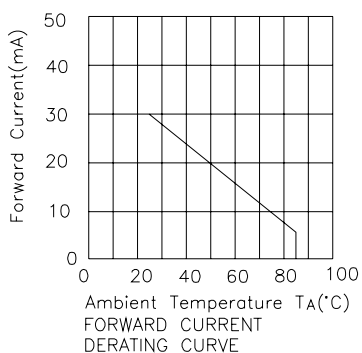
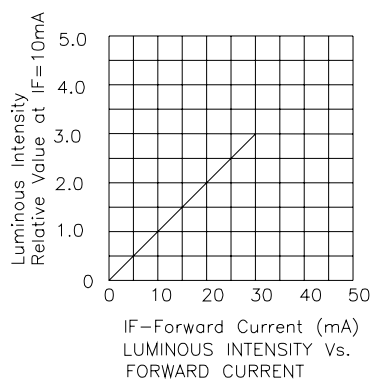
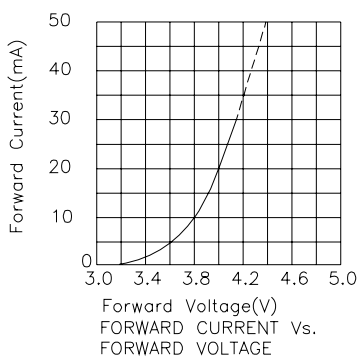
Notes:

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



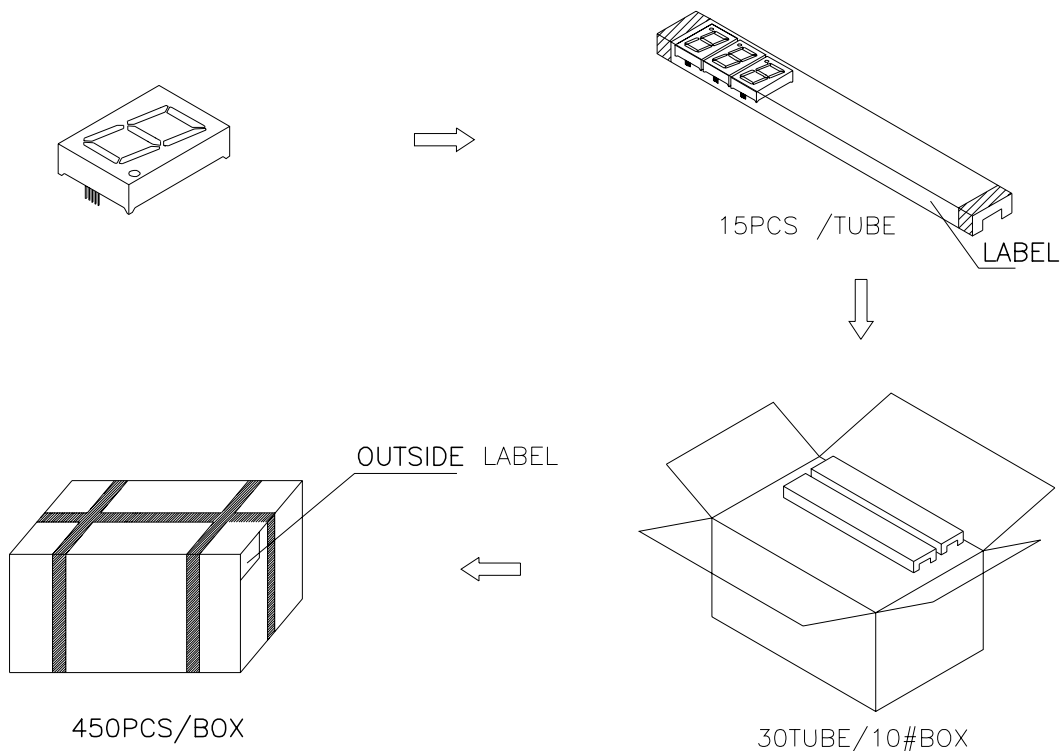
High Efficiency Red

SC15-11EWA

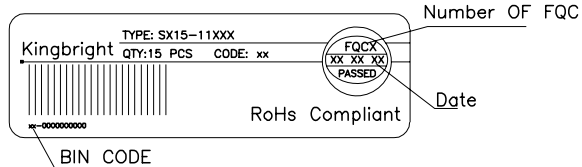


PACKING & LABEL SPECIFICATIONS

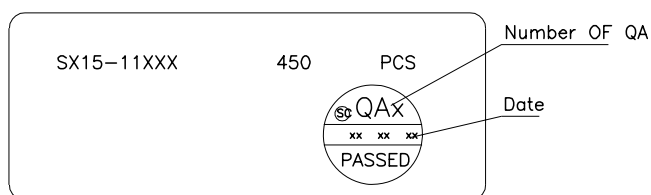
SC15-11EWA



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [LED Displays & Accessories](#) category:

Click to view products by [Kingbright](#) manufacturer:

Other Similar products are found below :

[LTC-2721WC](#) [LTC-4624JD](#) [LTC-4627G](#) [LTC-4627WC](#) [LTD-5021AWC](#) [LTM-8522G](#) [LTP-4323P](#) [LTP-747G](#) [LTS-3361JG-06](#)
[F416SYGWA/S530-E3](#) [EADST040RA2](#) [1668](#) [HT-F196NB-5323](#) [IPD2131-27](#) [SA03-12EWA](#) [LDD-E2802RD](#) [LDD-E306MI](#) [LDQ-N514RI](#)
[LDS-A3506RD](#) [LDS-A3926RI](#) [LDT-M516RI](#) [SC03-12HDB](#) [SI-B9T151550WW](#) [SI-B9V171550WW](#) [SLC-3PF-WL](#) [1624](#) [LTC-2621JD](#)
[LTC-2623WC](#) [LTC-4624P](#) [LTC-4627JD](#) [LTD-2601E](#) [LTD-2601P](#) [LTD-322G](#) [LTD-482PC](#) [LTP-1457AKR](#) [LTP-3784G-01](#) [LTS-313AP](#)
[LTS-4812SKR-P](#) [LTS-547AE](#) [LTS-6780P](#) [446010401-3](#) [HV-7W30-6829](#) [CA12240_MINNIE-WWW-MTG-ASSY](#) [DA43-11GWA](#) [LDD-](#)
[A516RI-17](#) [LDD-E305RI](#) [LDQ-M513RI](#) [LDQ-M5204RI-SI](#) [LDQ-N3402RI](#) [LDQ-N3606RI](#)