imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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38.1mm (1.5INCH) SINGLE DIGIT NUMERIC DISPLAY

Part Number: SA15-11EWA High Efficiency Red

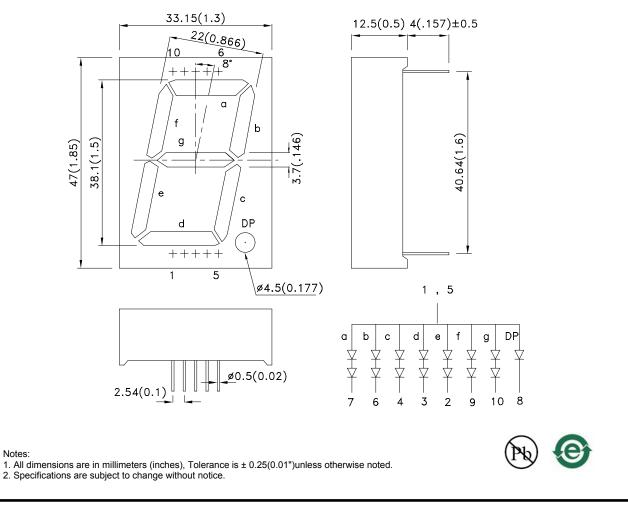
Features

- 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



DATE: MAY/24/2007 DRAWN: Y.L.LI

Selection Guide									
Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description				
			Min.	Тур.					
SA15-11EWA	High Efficiency Red (GaAsP/GaP)	WHITE DIFFUSED	3000	16000	Common Anode, Rt. Hand Decimal.				

Note:

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

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	I⊧=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	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	-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.

