

Part Number: CA25-12EWA HIGH EFFICIENCY RED

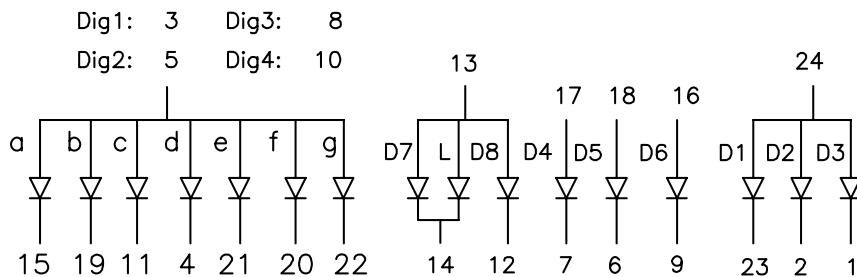
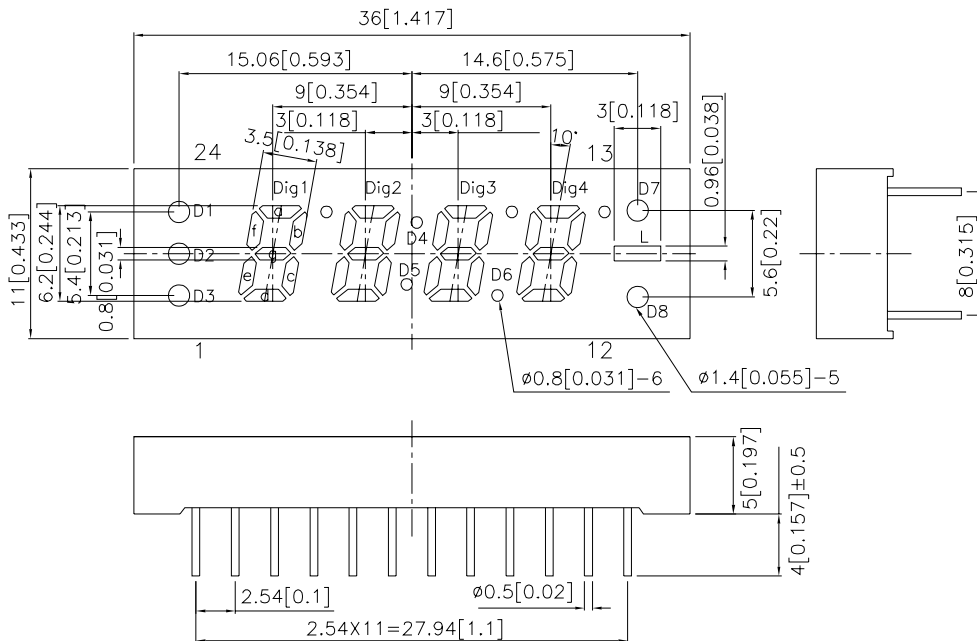
Features

- 0.25 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 $\pm 0.25(0.01)$ unless otherwise noted.
2. Specifications are subject to change without notice.



Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
CA25-12EWA	HIGH EFFICIENCY RED(GaAsP/GaP)	WHITE DIFFUSED	1200	6400	Common Anode

Note:

- 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=10mA
λ_D [1]	Dominant Wavelength	High Efficiency Red	625		nm	IF=10mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	High Efficiency Red	45		nm	IF=10mA
C	Capacitance (Per Segment)	High Efficiency Red	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage (Per Segment)	High Efficiency Red	1.9	2.5	V	IF=10mA
IR	Reverse Current (Per Segment)	High Efficiency Red		10	uA	VR = 5V

Notes:

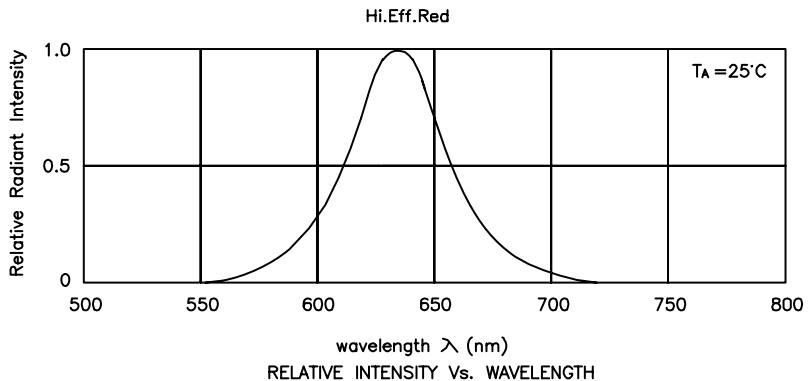
- Wavelength: +/-1nm.
- Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

Parameter	High Efficiency Red	Units
Power dissipation (Per Segment)	75	mW
DC Forward Current (Per Segment)	30	mA
Peak Forward Current [1] (Per Segment)	160	mA
Reverse Voltage (Per Segment)	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 3 ~5 Seconds	

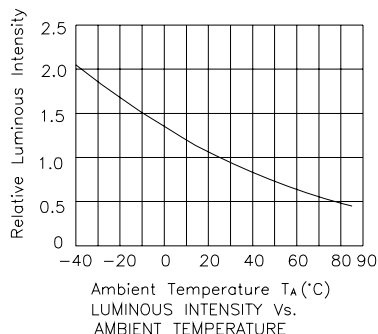
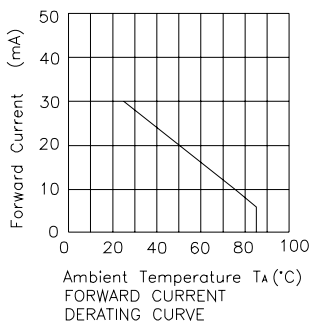
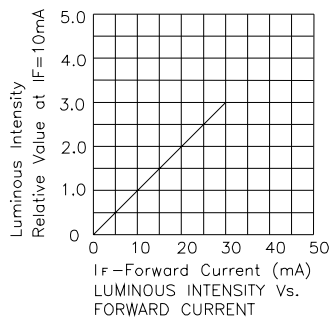
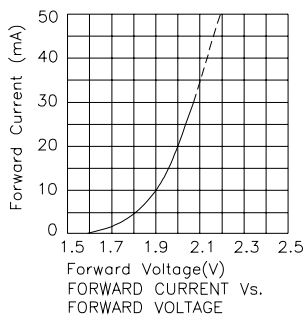
Notes:

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



High Efficiency Red

CA25-12EWA



PACKING & LABEL SPECIFICATIONS

CA25-12EWA

