

CA25-11EWA/GWA/YWA
 CC25-11EWA/GWA/YWA
 CA25-12EWA/GWA/YWA
 CC25-12EWA/GWA/YWA

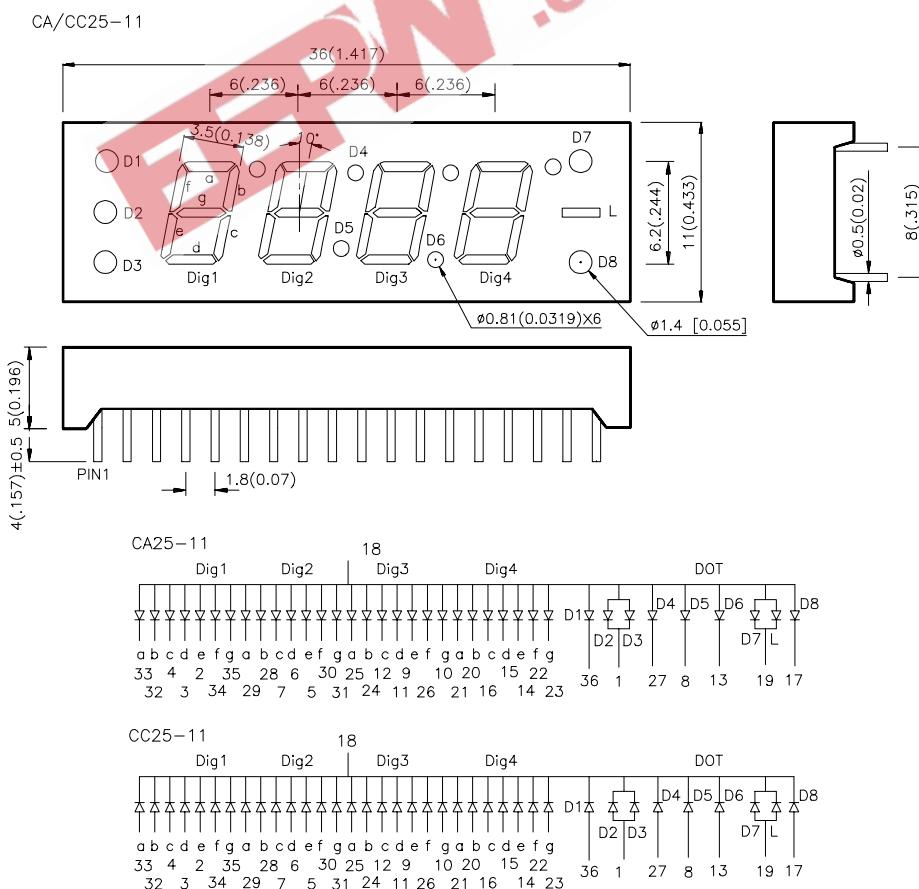
Features

- 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, YELLOW AND GREEN CATEGORIZED FOR COLOR.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.

Description

- The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.
- The Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.
- The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

Package Dimensions & Internal Circuit Diagram



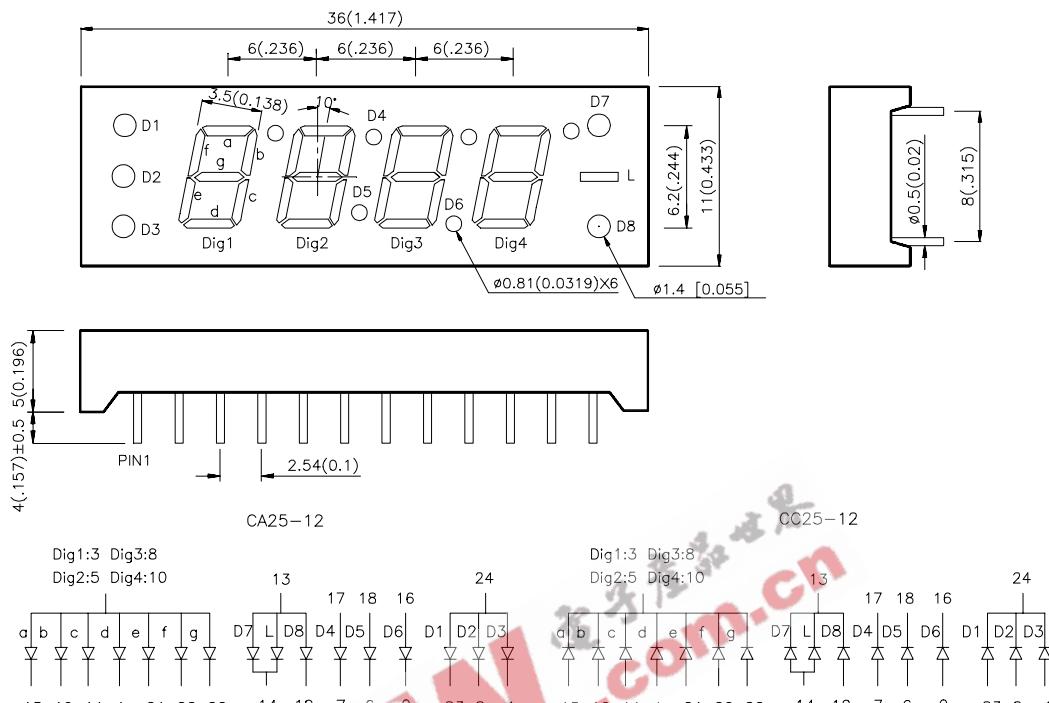
Notes:

- All dimensions are in millimeters (inches), Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
- Specifications are subject to change without notice.

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Package Dimensions & Internal Circuit Diagram

CA/CC25-12



Notes:

- All dimensions are in millimeters (inches). Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
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Selection Guide

Part No.	Dice	I _V (ucd) @ 10 mA		Description
		Min.	Typ.	
CA25-11EWA CA25-12EWA	HIGH EFFICIENCY RED (GaAsP/GaP)	1900	6400	Common Anode
CC25-11EWA CC25-12EWA				Common Cathode
CA25-11GWA CA25-12GWA	GREEN (GaP)	3000	10500	Common Anode
CC25-11GWA CC25-12GWA				Common Cathode
CA25-11YWA CA25-12YWA	YELLOW (GaAsP/GaP)	1200	3000	Common Anode
CC25-11YWA CC25-12YWA				Common Cathode

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Electrical / Optical Characteristics at $T_A=25^\circ\text{C}$

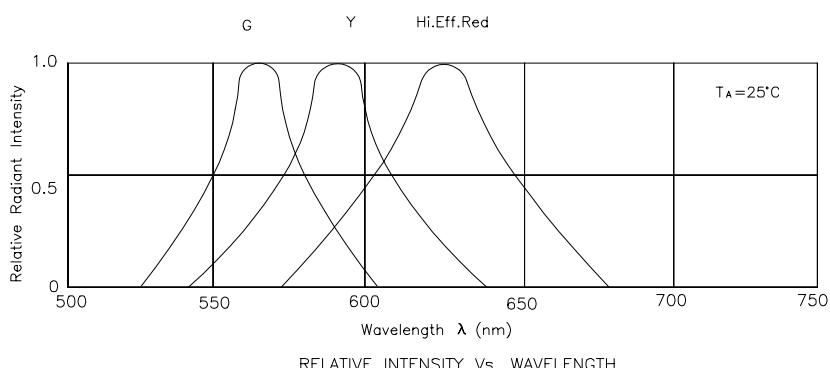
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	High Efficiency Red Green Yellow	627 565 590		nm	IF=20mA
λ_D	Dominate Wavelength	High Efficiency Red Green Yellow	625 568 588		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Halfwidth	High Efficiency Red Green Yellow	45 30 35		nm	IF=20mA
C	Capacitance	High Efficiency Red Green Yellow	15 15 20		pF	VF=0V;f=1MHz
V_F	Forward Voltage	High Efficiency Red Green Yellow	2.0 2.2 2.1	2.5 2.5 2.5	V	IF=20mA
I_R	Reverse Current	All		10	uA	VR = 5V

Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

Parameter	High Efficiency Red	Green	Yellow	Units
Power dissipation	105	105	105	mW
DC Forward Current	30	25	30	mA
Peak Forward Current [1]	160	140	140	mA
Reverse Voltage	5	5	5	V
Operating/Storage Temperature	-40°C To +85°C			
Lead Solder Temperature [2]	260°C For 5 Seconds			

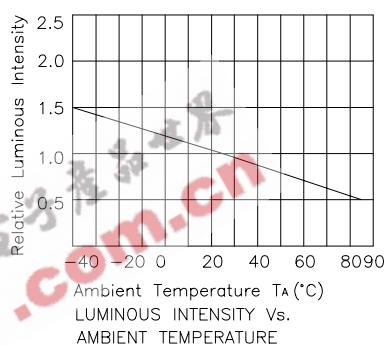
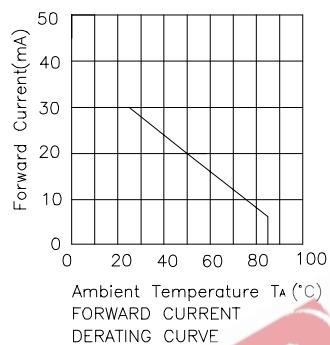
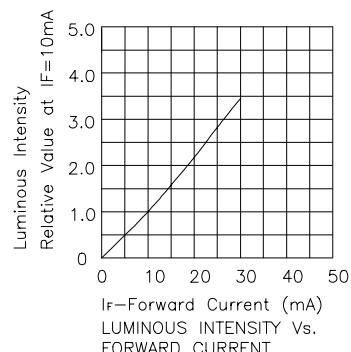
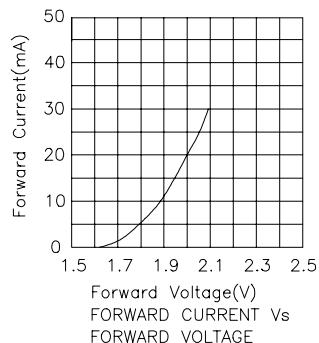
Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 4mm below package base.

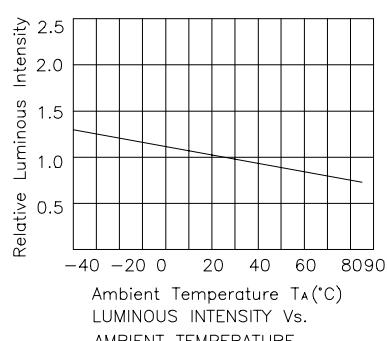
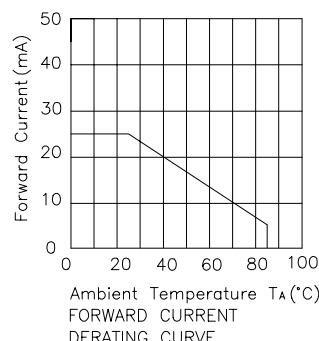
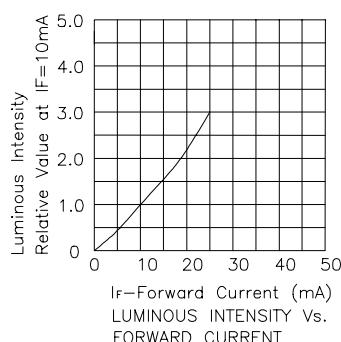
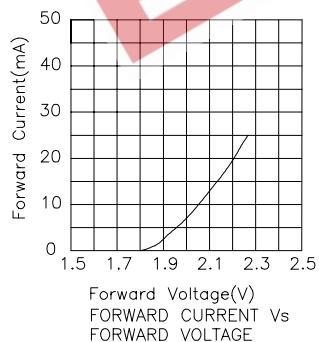


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High Efficiency Red



Green



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Yellow

