

Part Number: CC25-11SEKWA

Super Bright Orange

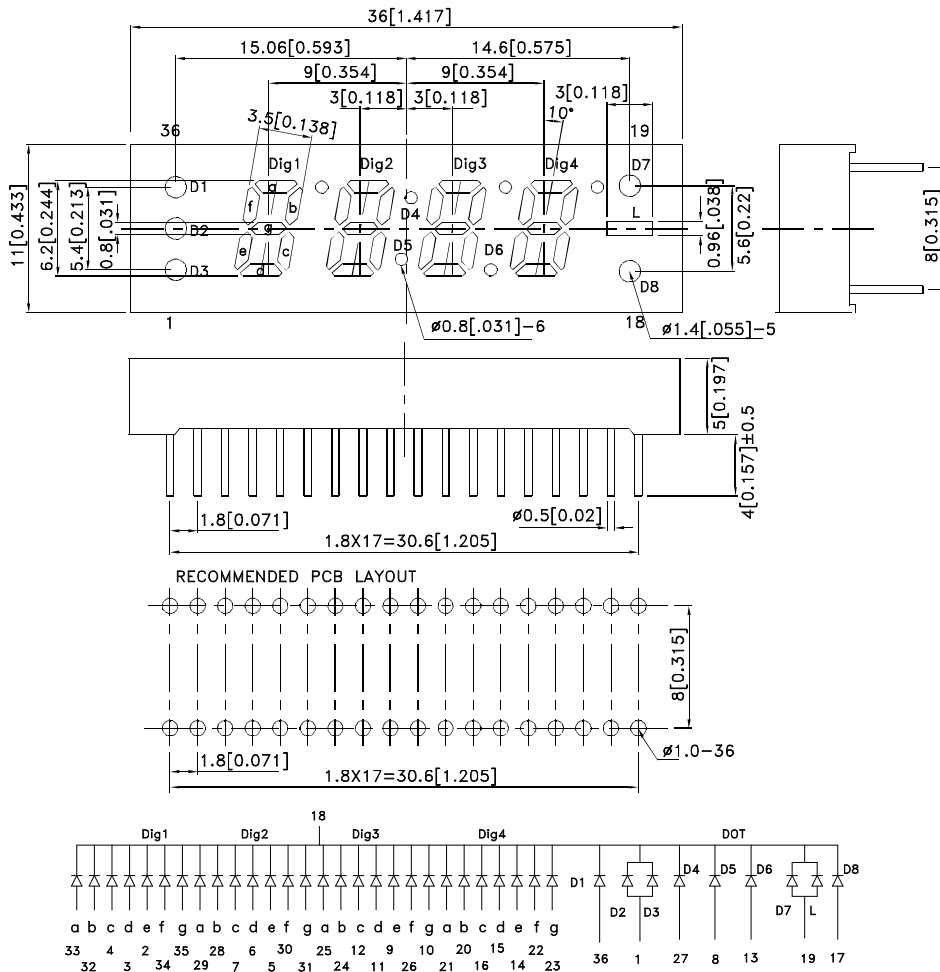
### Features

- 0.25 inch digit height
- Low current operation.
- Excellent character appearance.
- Easy mounting on P.C. boards or sockets.
- Categorized for luminous intensity.
- Mechanically rugged.
- Standard : gray face, white segment.
- RoHS compliant.

### Description

The Super Bright Orange device is made with AlGaInP (on GaAs substrate) light emitting diode chip.

### Package Dimensions & Internal Circuit Diagram



### Notes:

1. All dimensions are in millimeters (inches), Tolerance is ±0.25(0.01") unless otherwise noted.
2. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.



## Selection Guide

| Part No.     | Dice                          | Lens Type      | Iv (ucd) [1]<br>@ 10mA |        | Description    |
|--------------|-------------------------------|----------------|------------------------|--------|----------------|
|              |                               |                | Min.                   | Typ.   |                |
| CC25-11SEKWA | Super Bright Orange (AlGaInP) | White Diffused | 52000                  | 160000 | Common Cathode |

Note:

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

## Electrical / Optical Characteristics at TA=25°C

| Symbol              | Parameter                |   | Device              | Typ. | Max. | Units | Test Conditions |
|---------------------|--------------------------|---|---------------------|------|------|-------|-----------------|
| $\lambda$ peak      | Peak Wavelength          |   | Super Bright Orange | 610  |      | nm    | IF=20mA         |
| $\lambda$ D [1]     | Dominant Wavelength      |   | Super Bright Orange | 601  |      | nm    | IF=20mA         |
| $\Delta\lambda$ 1/2 | Spectral Line Half-width |   | Super Bright Orange | 29   |      | nm    | IF=20mA         |
| C                   | Capacitance              |   | Super Bright Orange | 15   |      | pF    | VF=0V;f=1MHz    |
| VF [2]              | Forward Voltage          | Dig1'8,'Dig2'8',Dig3'8',Dig4'8'<br>D1,D4,D5,D6,D8 | Super Bright Orange | 2.1  | 2.5  | V     | IF=20mA         |
|                     |                          | D2,D3,D7,L  |                     |      |      |       |                 |
| IR                  | Reverse Current          | Dig1'8,'Dig2'8',Dig3'8',Dig4'8'<br>D1,D4,D5,D6,D8 | Super Bright Orange |      | 10   | uA    | VR = 5V         |
|                     |                          | D2,D3,D7,L  |                     |      | 20   |       |                 |

Notes:

1.Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

## Absolute Maximum Ratings at TA=25°C

| Parameter                     |   | Super Bright Orange   | Units |
|-------------------------------|---|-----------------------|-------|
| Power dissipation             | Dig1'8,'Dig2'8',Dig3'8',Dig4'8'<br>D1,D4,D5,D6,D8 | 75                    | mW    |
|                               | D2,D3,D7,L  | 150                   |       |
| DC Forward Current            | Dig1'8,'Dig2'8',Dig3'8',Dig4'8'<br>D1,D4,D5,D6,D8 | 30                    | mA    |
|                               | D2,D3,D7,L  | 60                    |       |
| Reverse Voltage               | Dig1'8,'Dig2'8',Dig3'8',Dig4'8'<br>D1,D4,D5,D6,D8 | 5                     | V     |
|                               | D2,D3,D7,L  |                       |       |
| Peak Forward Current [1]      | Dig1'8,'Dig2'8',Dig3'8',Dig4'8'<br>D1,D4,D5,D6,D8 | 195                   | mA    |
|                               | D2,D3,D7,L  | 390                   |       |
| Operating/Storage Temperature |   | -40°C To +85°C        |       |
| Lead Solder Temperature [2]   |   | 260°C For 3~5 Seconds |       |

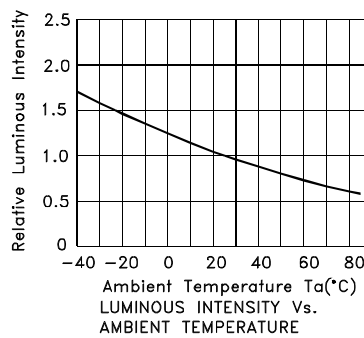
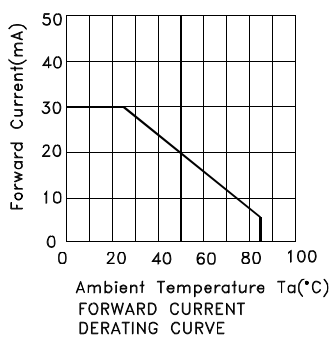
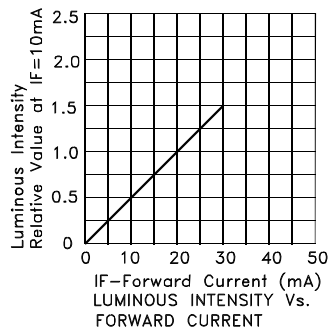
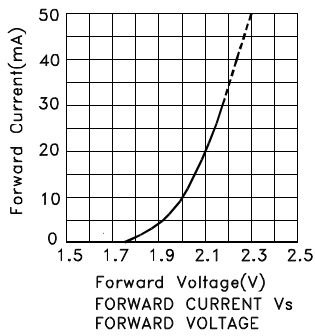
Notes:

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

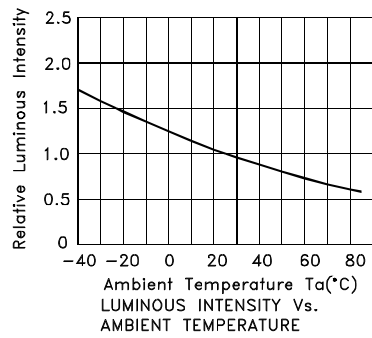
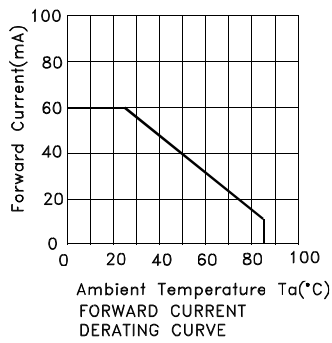
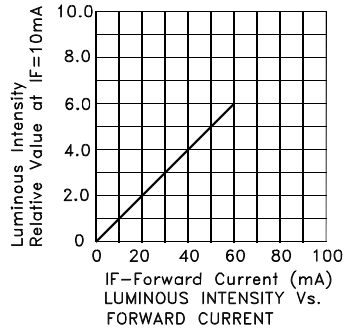
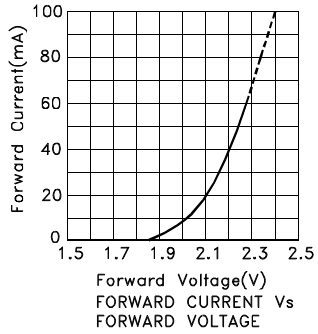
2. 2mm below package base.



## Super Bright Orange CC25-11SEKWA



## Super Bright Orange



**PACKING & LABEL SPECIFICATIONS**

**CC25-11SEKWA**

