SURFACE MOUNT DISPLAY

Part Number: ACPSC04-41SEKWA

Super Bright Orange

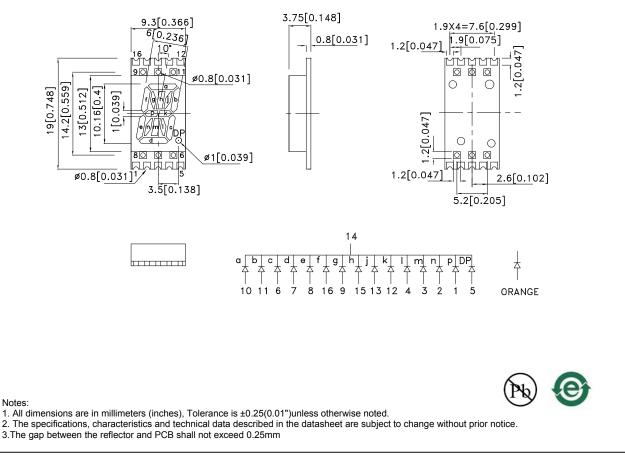
Features

- 0.4 inch character height.
- Low current operation.
- High contrast and light output.
- Categorized for luminous intensity.
- Mechanically rugged.
- Gray face, white segment.
- Package : 400pcs / reel.
- Moisture sensitivity level : level 2a.
- RoHS compliant.

Description

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

Package Dimensions& Internal Circuit Diagram



SPEC NO: DSAG4998 APPROVED: WYNEC REV NO: V.11A CHECKED: Joe Lee DATE: JAN/09/2015 DRAWN: P.Cheng PAGE: 1 OF 5 ERP: 1361000058

| S | Selection Guide | Dice | Lens Type | lv (ucd) [1] @ 10mA | | Description |
|---|-----------------|-------------------------------|----------------|------------------------|--------|--------------------------------------|
| | | | | Min. | Тур. | Description |
| Δ | CPSC04-41SEKWA | Super Bright Orange (AlGaInP) | White Diffused | 21000 | 44000 | Common Cathode, Rt. Hand Decimal. |
| | | | | *5600 | *13000 | |

Note:

Luminous intensity/ luminous Flux: +/-15%.
*Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

Electrical / Optical Characteristics at TA=25°C

| Symbol | Parameter | Device | Тур. | Max. | Units | Test Conditions |
|--------|--------------------------|---------------------|------|------|-------|-----------------|
| λpeak | Peak Wavelength | Super Bright Orange | 610 | | nm | IF=20mA |
| λD [1] | Dominant Wavelength | Super Bright Orange | 601 | | nm | IF=20mA |
| Δλ1/2 | Spectral Line Half-width | Super Bright Orange | 29 | | nm | IF=20mA |
| С | Capacitance | Super Bright Orange | 15 | | pF | VF=0V;f=1MHz |
| VF [2] | Forward Voltage | Super Bright Orange | 2.1 | 2.5 | V | IF=20mA |
| lr | Reverse Current | Super Bright Orange | | 10 | uA | VR=5V |

Notes:

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

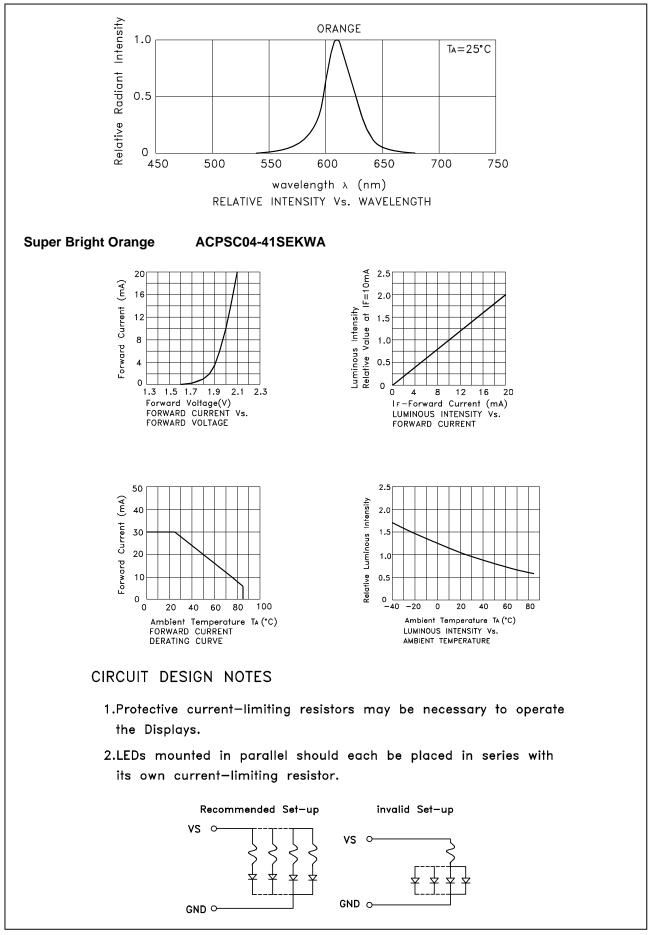
a Given a Voltage. 7/-0.1V.
Wavelength value is traceable to the CIE127-2007 compliant national standards.
Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

Absolute Maximum Ratings at TA=25°C

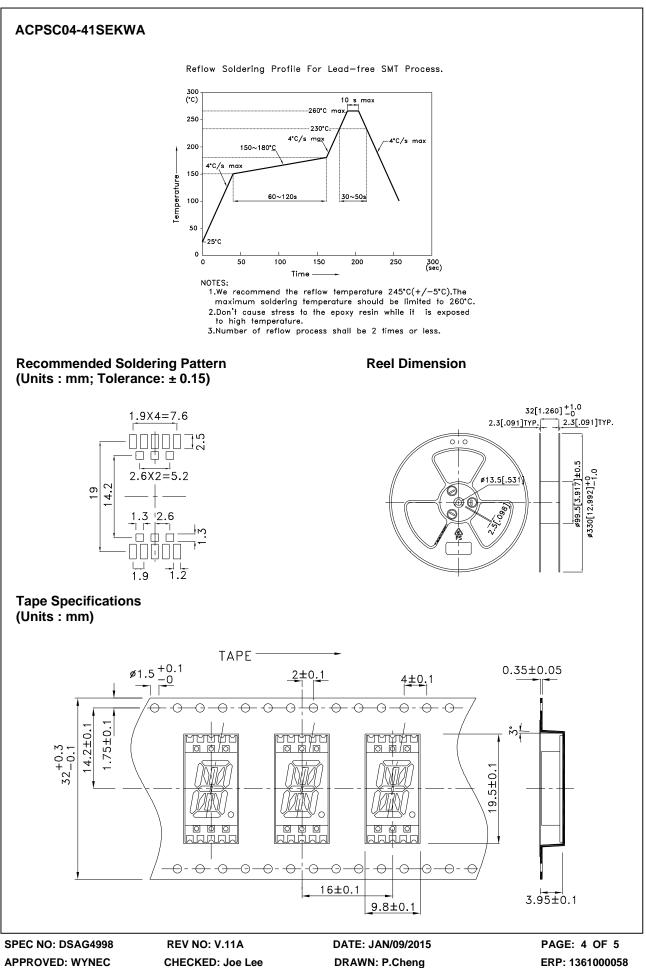
| Parameter | Super Bright Orange | Units |
|---------------------------------|---------------------|-------|
| Power dissipation | 75 | mW |
| DC Forward Current | 30 | mA |
| Peak Forward Current [1] | 195 | mA |
| Reverse Voltage | 5 | V |
| Operating / Storage Temperature | -40°C To +85°C | |

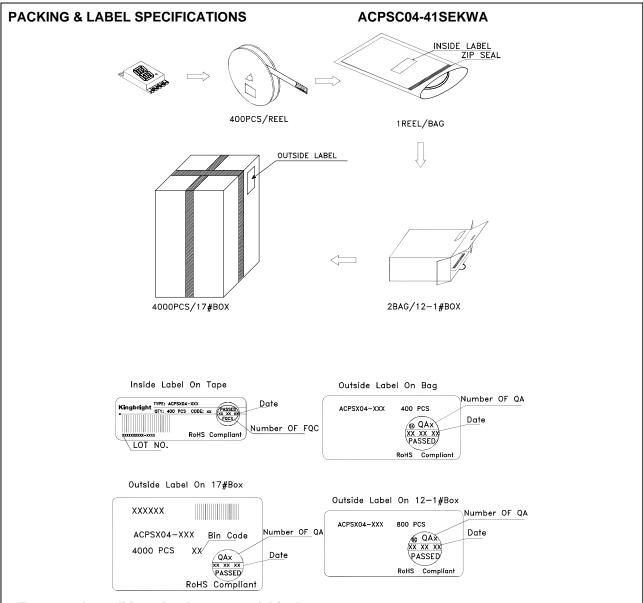
Note:

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



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