

KPSC02-106 SUPER BRIGHT ORANGE

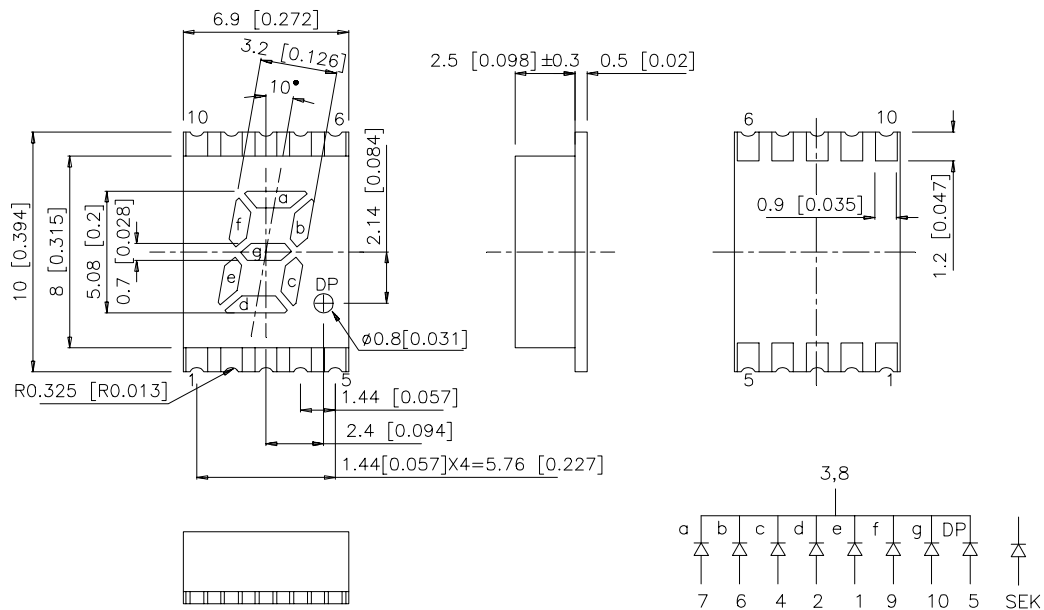
Features

- 0.2INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- GRAY FACE, WHITE SEGMENT.
- PACKAGE :1300PCS / REEL.

Description

The Super Bright Orange source color devices are made with DH InGaAlP on GaAs substrate 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) @ 10 mA | | Description |
|------------|----------------------------------|----------------|---------------------|-------|-----------------------------------|
| | | | Min. | Typ. | |
| KPSC02-106 | SUPER BRIGHT ORANGE (InGaAlP) | WHITE DIFFUSED | 8000 | 37200 | Common Cathode,Rt.Hand Decimal |

Electrical / Optical Characteristics at T_A=25°C

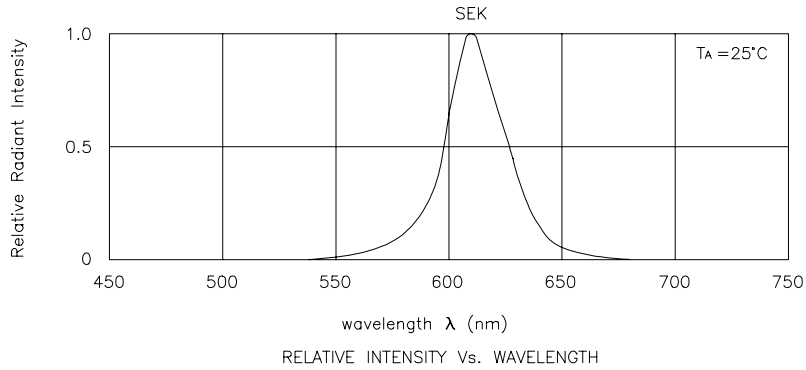
| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|-----------------------|--------------------------|---------------------|------|------|-------|---------------------------|
| λ_{peak} | Peak Wavelength | Super Bright Orange | 610 | | nm | I _F =20mA |
| λ_D | Dominate Wavelength | Super Bright Orange | 601 | | nm | I _F =20mA |
| $\Delta\lambda_{1/2}$ | Spectral Line Half-width | Super Bright Orange | 29 | | nm | I _F =20mA |
| C | Capacitance | Super Bright Orange | 15 | | pF | V _F =0V;f=1MHz |
| V _F | Forward Voltage | Super Bright Orange | 2.1 | 2.5 | V | I _F =20mA |
| I _R | Reverse Current | Super Bright Orange | | 10 | uA | V _R = 5V |

Absolute Maximum Ratings at T_A=25°C

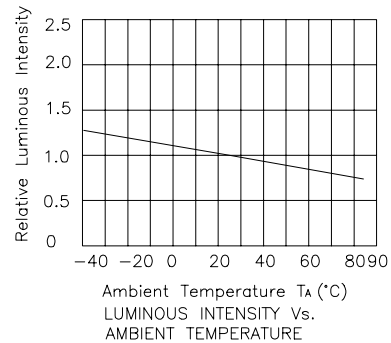
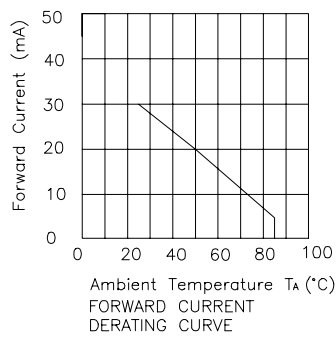
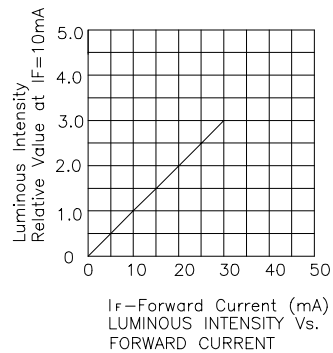
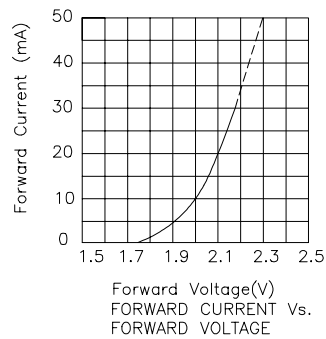
| Parameter | Super Bright Orange | Units |
|-------------------------------|---------------------|-------|
| Power dissipation | 75 | mW |
| DC Forward Current | 30 | mA |
| Peak Forward Current [1] | 195 | mA |
| Reverse Voltage | 5 | V |
| Operating/Storage Temperature | -40°C To +85°C | |

Note:

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

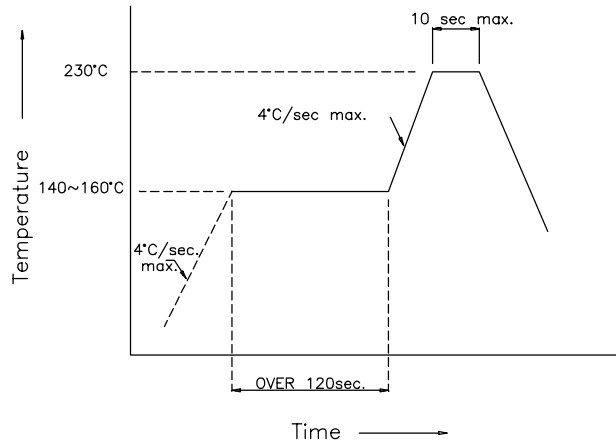


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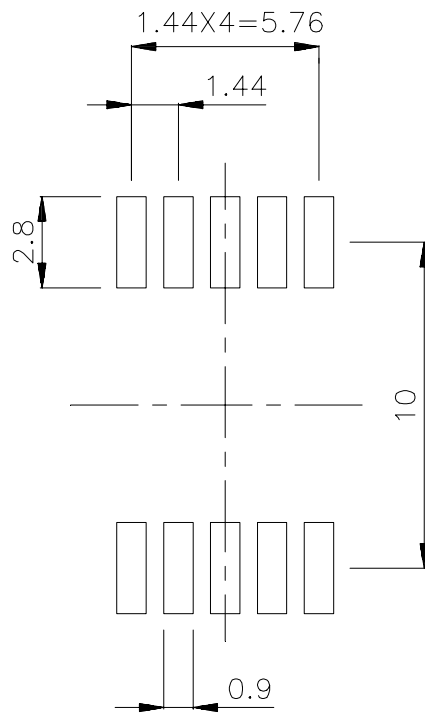


KPSC02-106 SMT Reflow Soldering Instruction

Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and second soldering process.



Recommended Soldering Pattern (Units : mm)



Tape Specification (Units : mm)

