

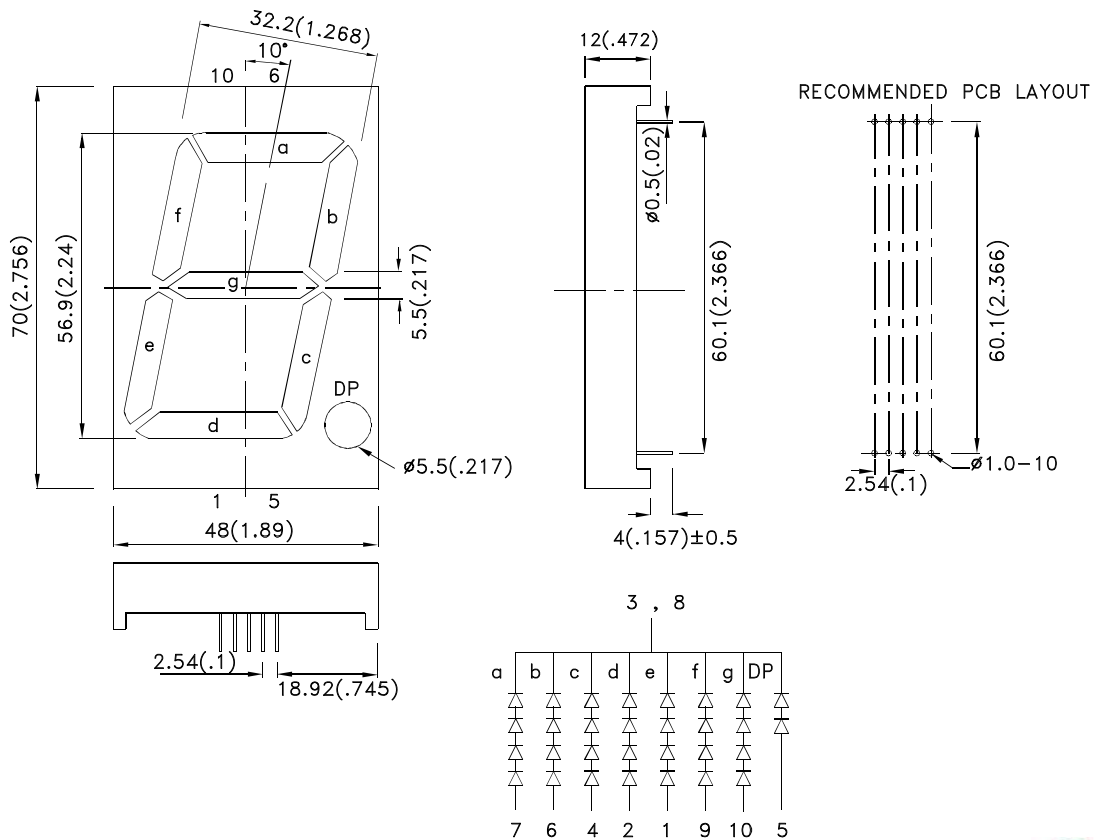
Features

- 2.3 inch digit height.
- Low current operation.
- Excellent character appearance.
- High light output.
- Easy mounting on P.C. boards or sockets.
- Multicolor available.
- Mechanically rugged.
- Standard : gray face, white segment.
- RoHS compliant.

Description

The Green source color devices are made with AlGaInP 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. 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] @ 10mA | | Description |
|--------------|-----------------|----------------|------------------------|--------|-------------------------------------|
| | | | Min. | Typ. | |
| SC23-12CGKWA | Green (AlGaInP) | WHITE DIFFUSED | 44000 | 200300 | Common Cathode. Rt. Hand Decimal |

Note:

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

Electrical / Optical Characteristics at TA=25°C

| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|---------------------|--|--------|--------------|---------------|-------|--------------------|
| λ peak | Peak Wavelength | Green | 574 | | nm | IF=20mA |
| λ D [1] | Dominant Wavelength | Green | 570 | | nm | IF=20mA |
| $\Delta\lambda$ 1/2 | Spectral Line Half-width | Green | 20 | | nm | IF=20mA |
| C | Capacitance | Green | 15 | | pF | VF=0V;f=1MHz |
| VF [2] | Forward Voltage Per Segment or (DP) | Green | 8.4 (4.2) | 10.0 (5.0) | V | IF=20mA |
| IR | Reverse Current Per Segment or (DP) | Green | | 10 (10) | uA | VR=20V (VR=10V) |

Notes:

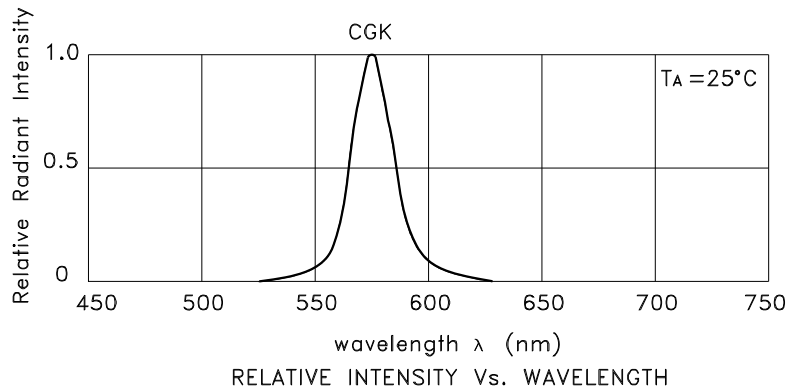
1. Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

| Parameter | Green | Units |
|---|------------------------|-------|
| Power dissipation Per Segment or (DP) | 300 (150) | mW |
| DC Forward Current Per Segment or (DP) | 30 (30) | mA |
| Peak Forward Current [1] Per Segment or (DP) | 150 (150) | mA |
| Reverse Voltage Per Segment or (DP) | 20 (10) | V |
| Operating/Storage Temperature | -40°C To +85°C | |
| Lead Solder Temperature [2] | 260°C For 3 ~5 Seconds | |

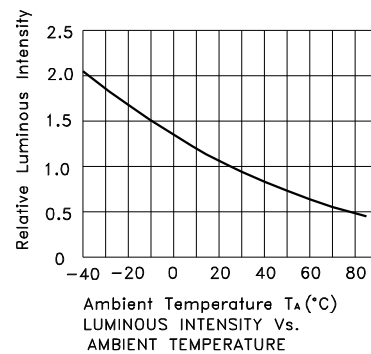
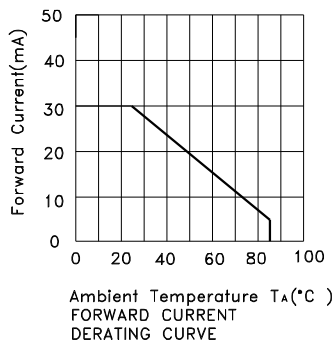
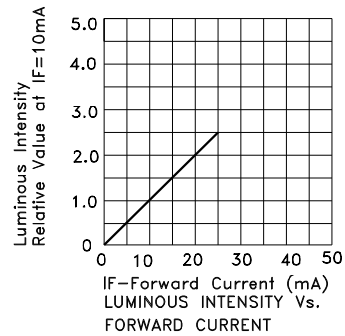
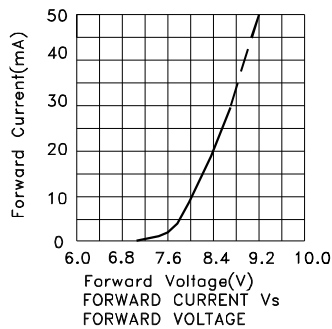
Notes:

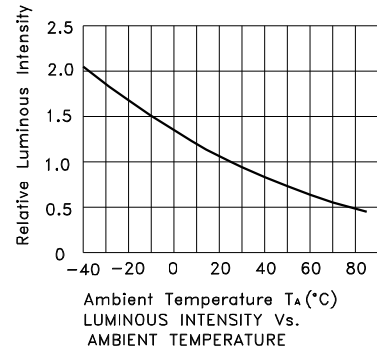
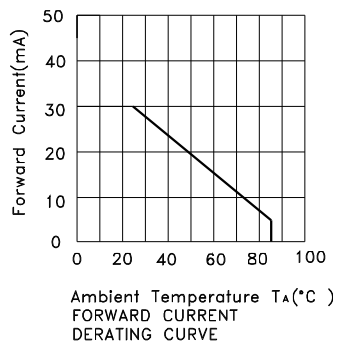
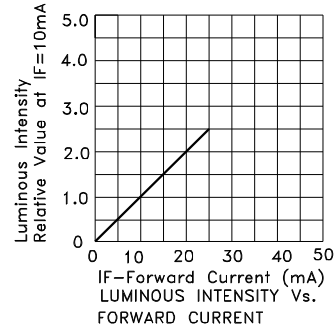
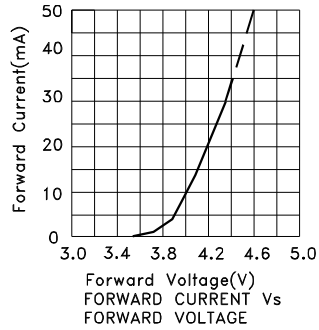
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.



Green

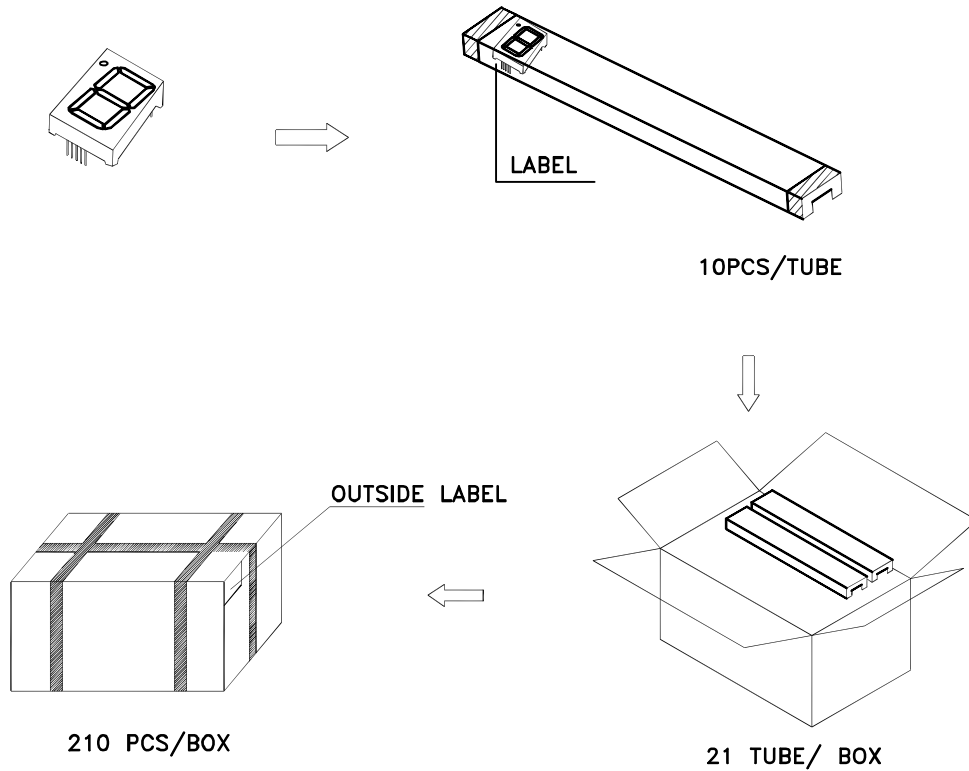
SC23-12CGKWA



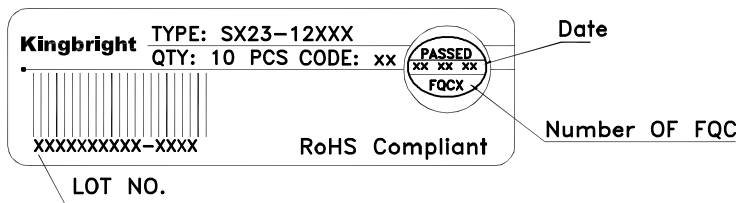


PACKING & LABEL SPECIFICATIONS

SC23-12CGKWA



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

