

Selection Guide

| Part No. | Dice | Lens Type | Iv (ucd) [1] @ 10mA | | Description |
|--------------|-------------------------------|----------------|------------------------|--------|----------------------------------|
| | | | Min. | Typ. | |
| DC56-51SEKWA | Super Bright Orange (AlGaInP) | White Diffused | 52000 | 120000 | 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 | Super Bright Orange | 610 | | nm | I _F =20mA |
| λ_D [1] | Dominant 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 [2] | 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 |

Notes:

1. Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

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 | |
| Lead Solder Temperature[2] | 260°C For 3-5 Seconds | |

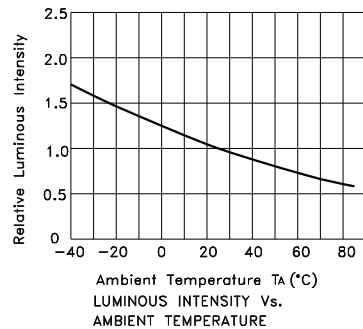
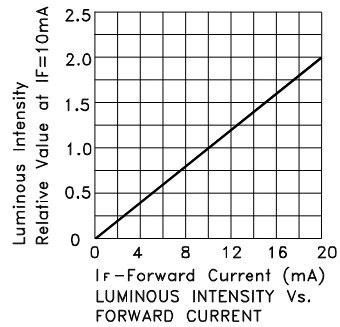
Notes:

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

2. 2mm below package base.

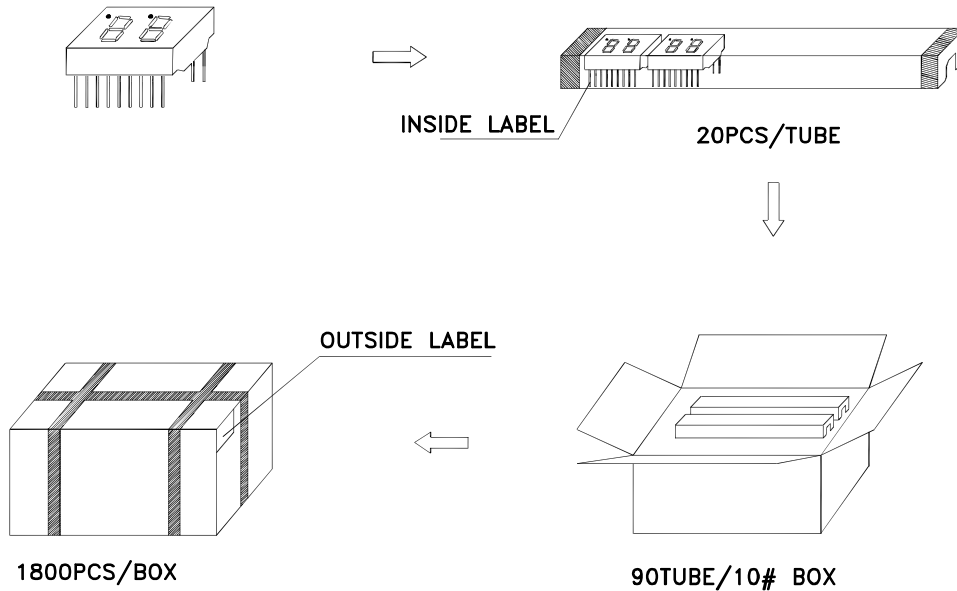


Super Bright Orange DC56-51SEKWA

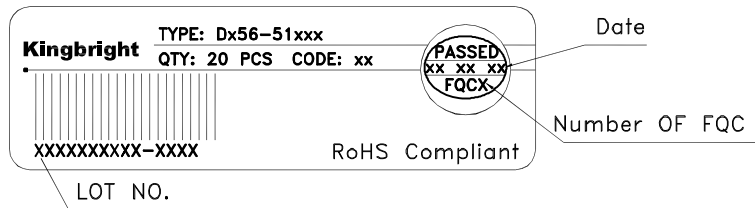


PACKING & LABEL SPECIFICATIONS

DC56-51SEKWA



Inside Label On IC-tube



Outside Label On Box

