

LED Displays

Order code	Manufacturer code	Description
57-0222	n/a	SC10-21SRW LED DISPLAY 1" S/RED CC (RC)

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The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
SC10-21SRWA	SUPER BRIGHT RED (GaAlAs)	WHITE DIFFUSED	12000	60000	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 Red	660		nm	I _F =20mA
λ_D [1]	Dominant Wavelength	Super Bright Red	640		nm	I _F =20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Super Bright Red	20		nm	I _F =20mA
C	Capacitance	Super Bright Red	45		pF	V _F =0V;f=1MHz
V _F [2]	Forward Voltage Per Segment Or (DP)	Super Bright Red	3.7 (1.85)	5.0 (2.5)	V	I _F =20mA
I _R	Reverse Current Per Segment Or (DP)	Super Bright Red		10 (10)	uA	V _R =10V (V _R =5V)

Notes:

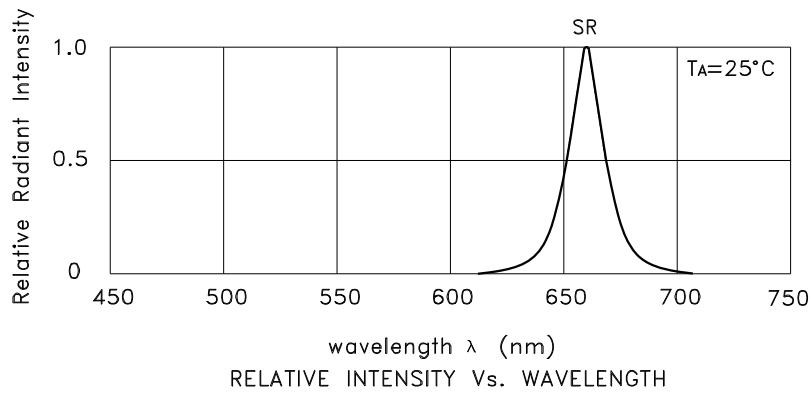
1. Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Red	Units
Power dissipation Per Segment Or (DP)	150 (75)	mW
DC Forward Current Per Segment Or (DP)	30 (30)	mA
Peak Forward Current [1] Per Segment Or (DP)	155 (155)	mA
Reverse Voltage Per Segment Or (DP)	10 (5)	V
Operating / Storage Temperature	-40°C To +85°C	
Lead Solder Temperature[2]	260°C For 3-5 Seconds	

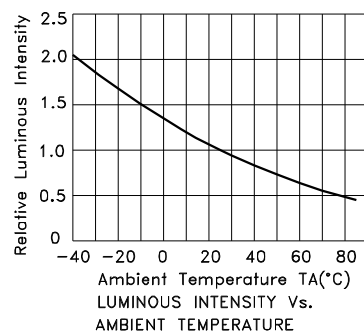
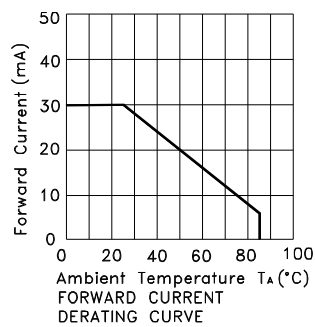
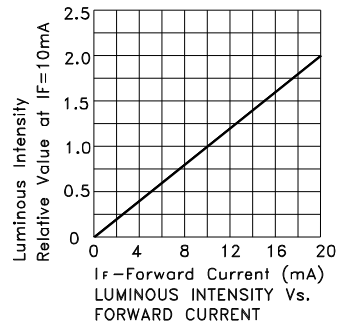
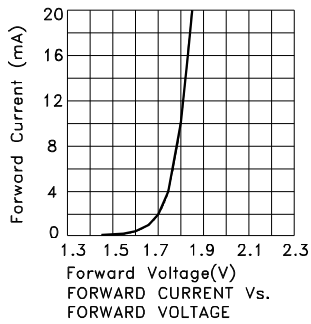
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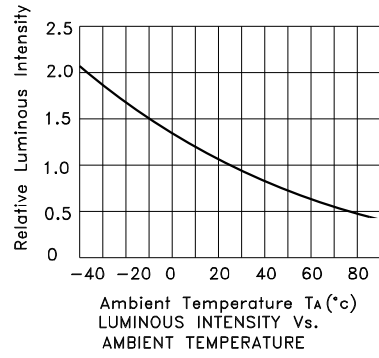
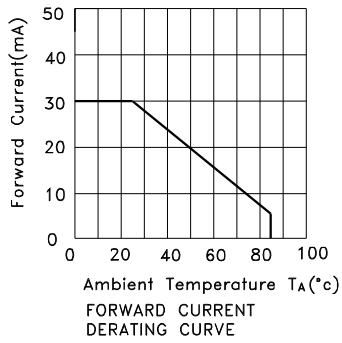
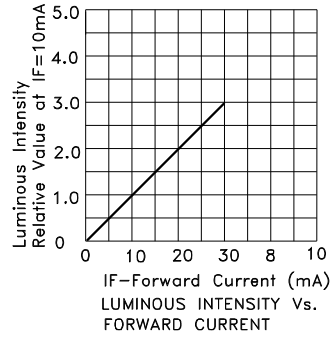
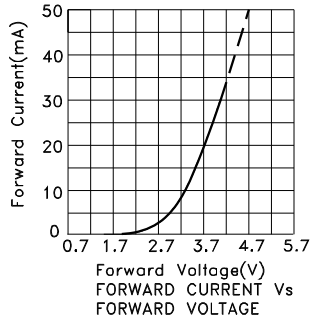
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.



Super Bright Red

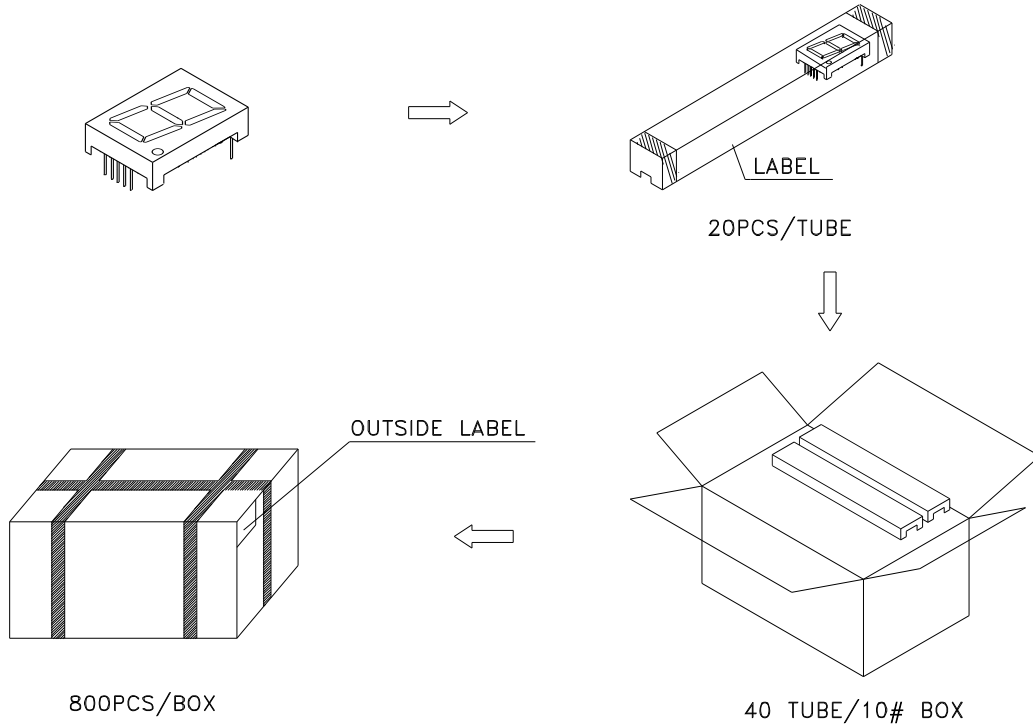
SC10-21SRWA



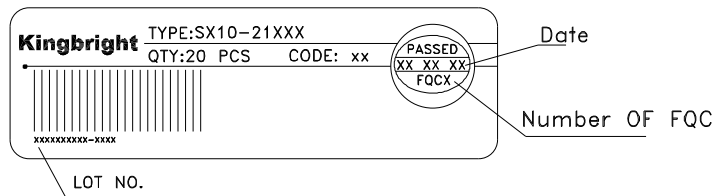


PACKING & LABEL SPECIFICATIONS

SC10-21SRWA



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

