

### 10.16mm (0.4INCH) SINGLE DIGIT NUMERIC DISPLAY

Part Number: SA04-12SRWA

Super Bright Red

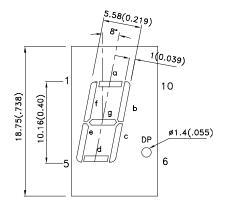
#### **Features**

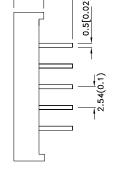
- 0.4 INCH DIGIT HEIGHT.
- EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.

#### **Description**

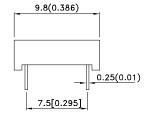
The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

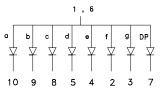
#### **Package Dimensions& Internal Circuit Diagram**





5.08(0.2) 4[0.157]±0.5





#### Notes

1. All dimensions are in millimeters (inches), Tolerance is ±0.25(0.01")unless otherwise noted.

2. Specifications are subject to change without notice.





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 REV NO: V.8
 DATE: MAY/15/2007
 PAGE: 1 OF 4

 APPROVED: WYNEC
 CHECKED: Joe Lee
 DRAWN: Y.L.LI
 ERP: 1301000073

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#### **Selection Guide**

Part No.	Dice	Lens Type	lv (uc @ 10	,	Description
			Min.	Тур.	
SA04-12SRWA	Super Bright Red (GaAlAs)	WHITE DIFFUSED	4700	18000	Common Anode, Rt. Hand Decimal.

#### Note:

### Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Red	660		nm	IF=20mA
λD [1]	Dominant Wavelength	Super Bright Red	640		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Red	20		nm	IF=20mA
С	Capacitance	Super Bright Red	45		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Red	1.85	2.5	V	IF=20mA
lR	Reverse Current	Super Bright Red		10	uA	V <sub>R</sub> =5V

### Absolute Maximum Ratings at TA=25°C

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

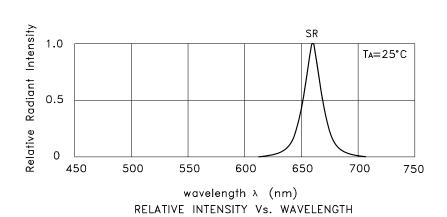
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.

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

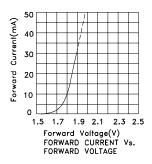
<sup>1.</sup>Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

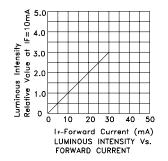
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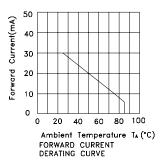


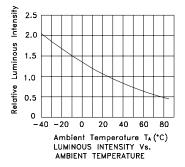
Super Bright Red

**SA04-12SRWA** 



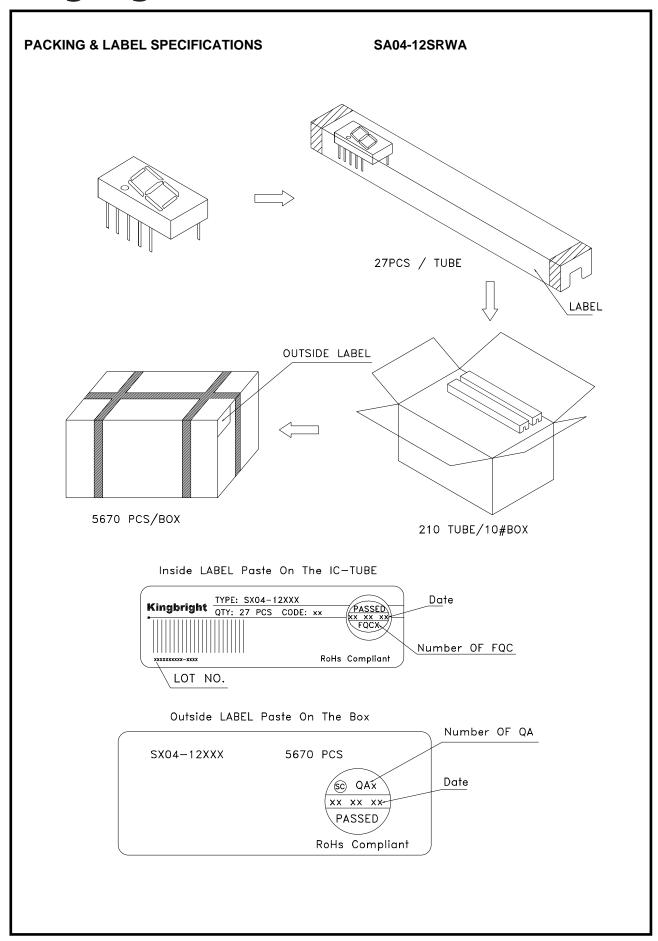






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