#### 57mm (2.3INCH) SINGLE DIGIT NUMERIC DISPLAY

Part Number: SA23-12CGKWA

Green

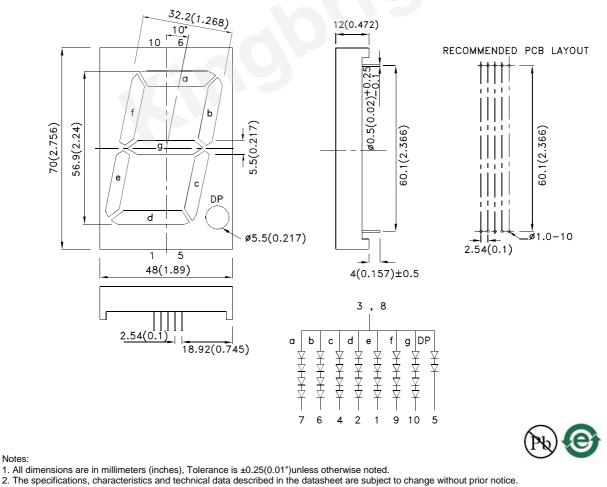
#### **Features**

- 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

DATE: JUL/09/2014 DRAWN: L.Q.Xie

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S	election Guide					
	Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description
				Min.	Тур.	
s	SA23-12CGKWA	Green (AlGaInP)	White Diffused	88000	200000	Common Anode, Rt. Hand Decimal
				*31000	*62000	

Notes:

Luminous intensity/ luminous Flux: +/-15%.
\*Luminous intensity value is traceable to the CIE127-2007 compliant national standards

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

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
$\lambda$ peak	Peak Wavelength	Green	574		nm	IF=20mA
λ D [1]	Dominant Wavelength	Green	570		nm	IF=20mA
Δλ 1/2	Spectral Line Half-width	Green	20		nm	IF=20mA
С	Capacitance	Green	15		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage (DP)	Green	8.4 (4.2)	10.0 (5.0)	V	IF=20mA
lr	Reverse Current (Per Chip)	Green		10	uA	Vr=5V

Notes:

1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. 3. Wavelength value is traceable to the CIE127-2007 compliant national standards.

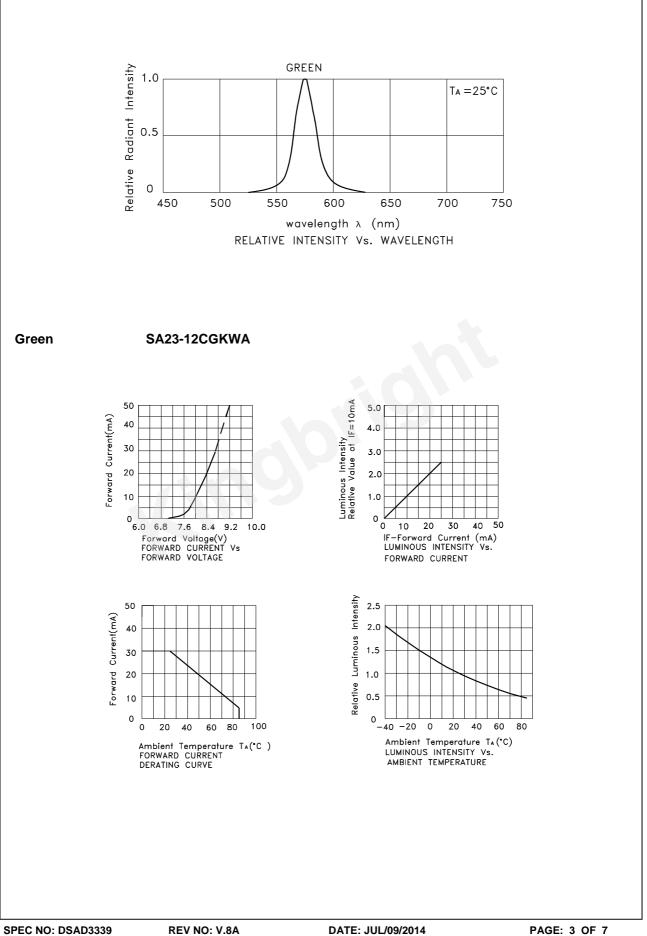
### Absolute Maximum Ratings at TA=25°C

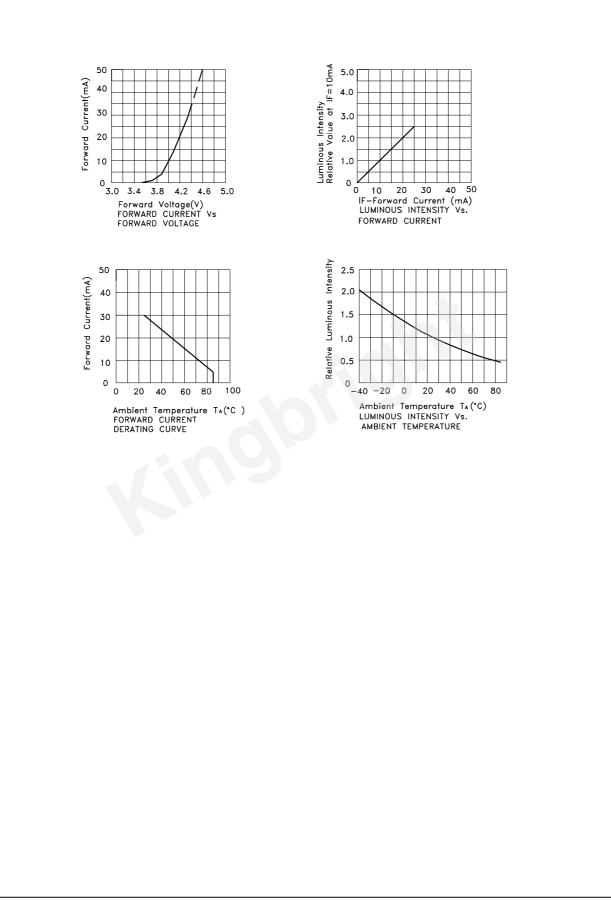
Parameter	Green	Units	
Power dissipation (Per Chip)	150	mW	
DC Forward Current (DP)	30 (30)	mA	
Peak Forward Current [1] (DP)	150 (150)	mA	
Reverse Voltage (Per Chip)	5	V	
Dperating/Storage Temperature -40°C To +85°C			
ad Solder Temperature [2] 260°C For 3 ~5 Seconds			

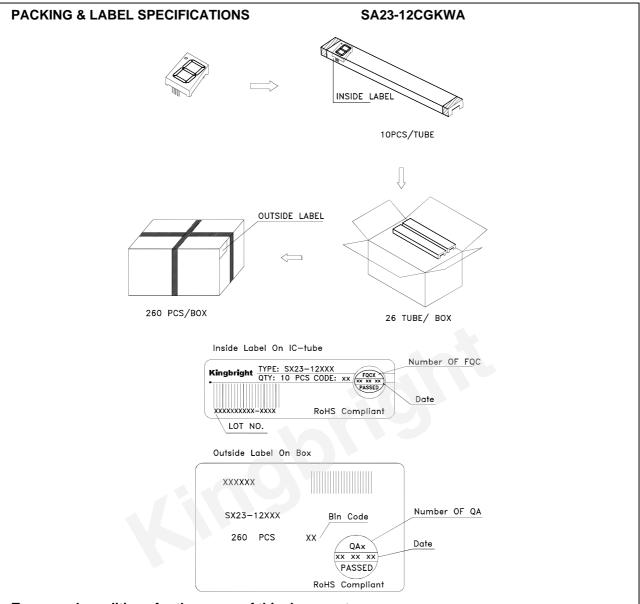
Notes:

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

2. 2mm below package base.

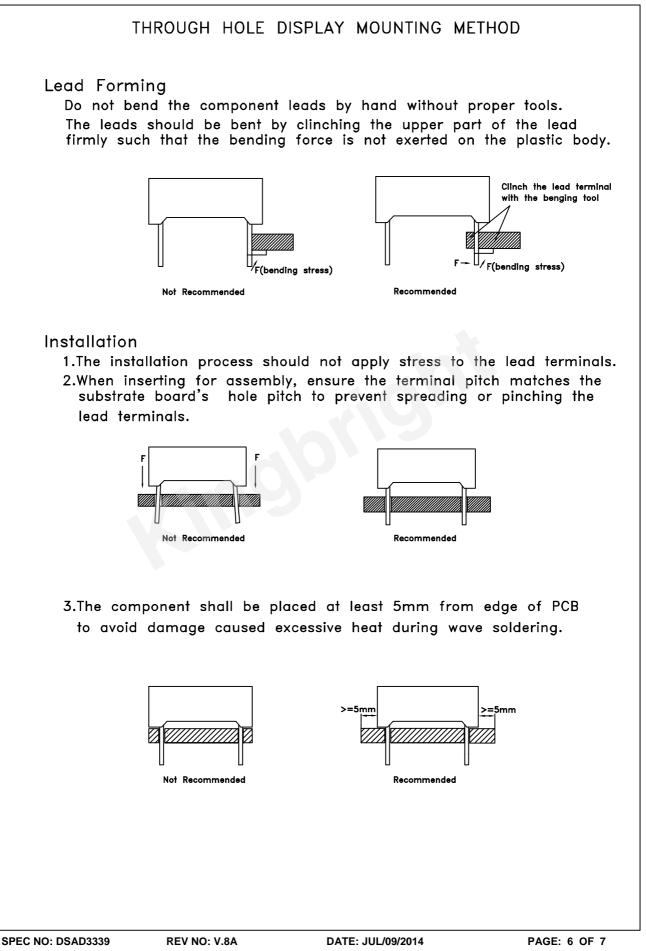


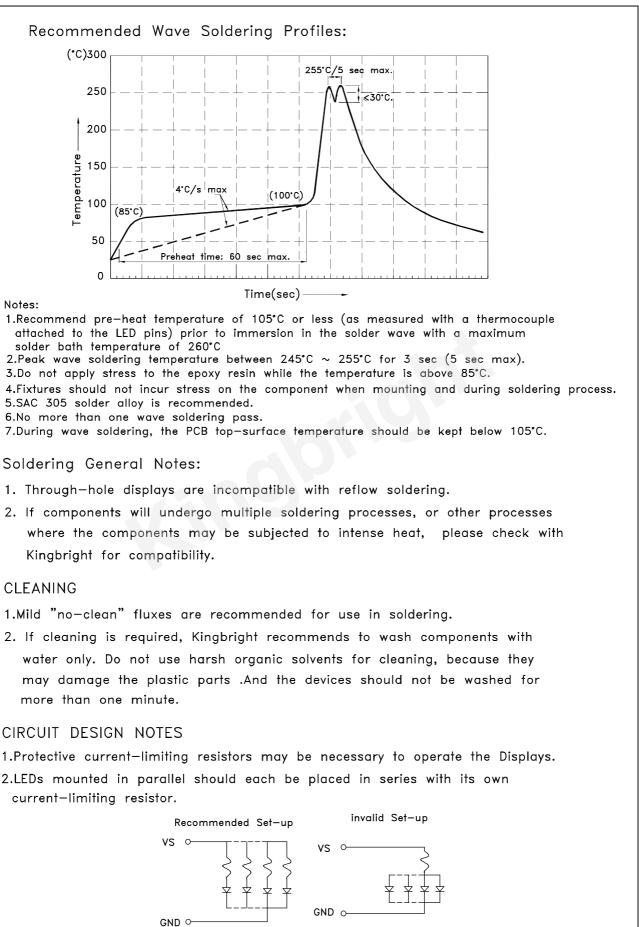




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