

PRELIMINARY SPEC

Part Number: SA23-11CGKWA

Green

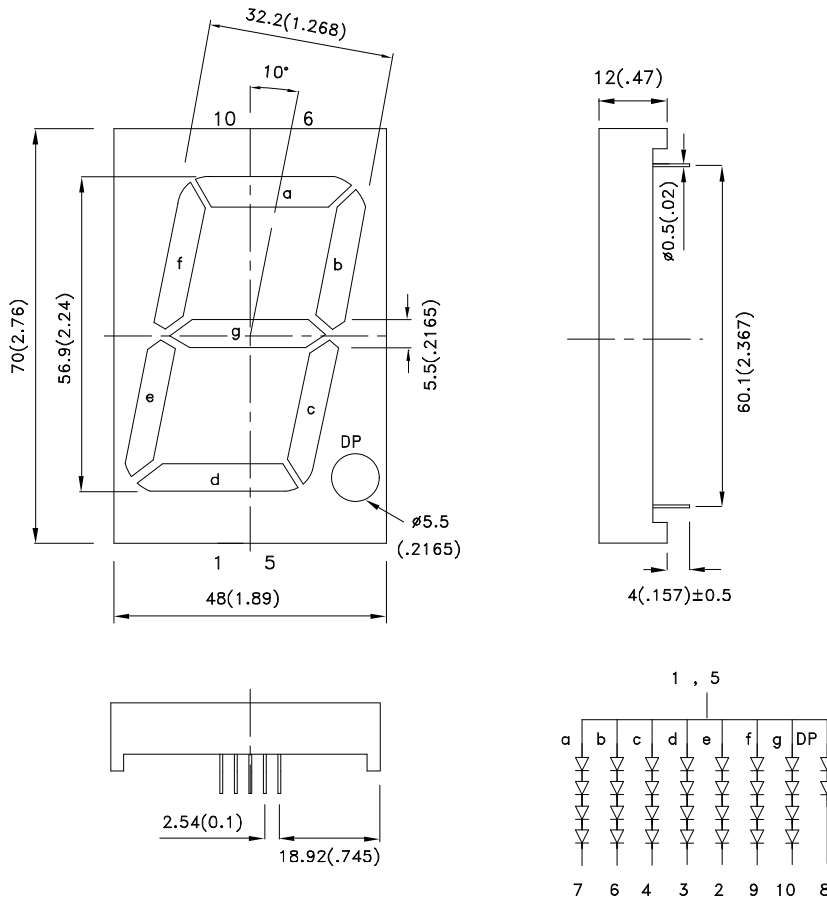
Features

- 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 InGaAlP 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. Specifications are subject to change without notice.



Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
SA23-11CGKWA	Green (InGaAlP)	WHITE DIFFUSED	44000	200250	Common Anode, 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	uA	VR = 20V(10V)

Notes:

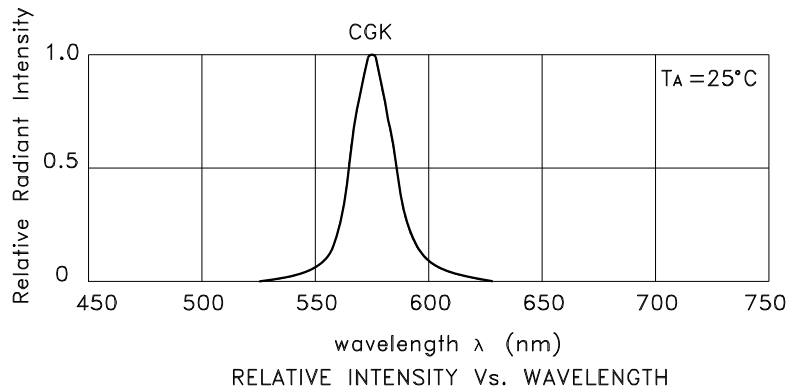
1. Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

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	mA
Peak Forward Current [1] Per Segment or (DP)	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	

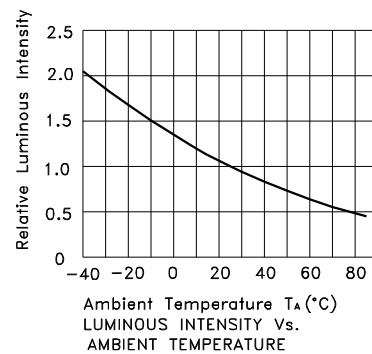
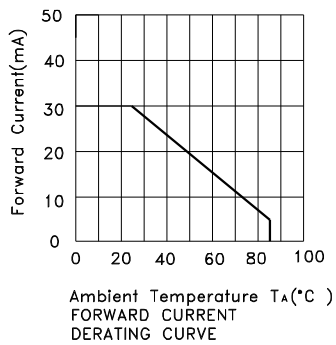
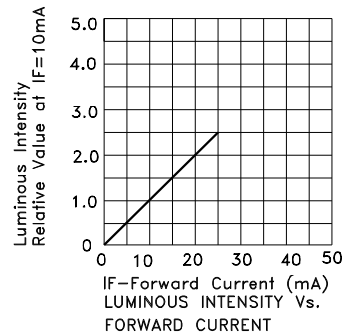
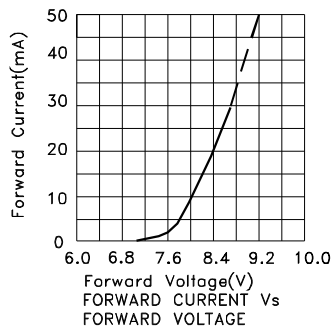
Notes:

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

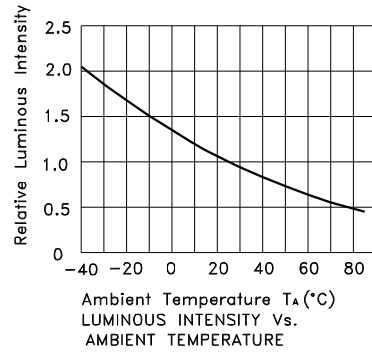
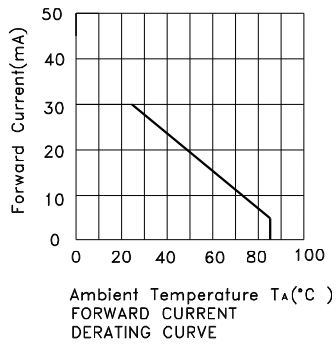
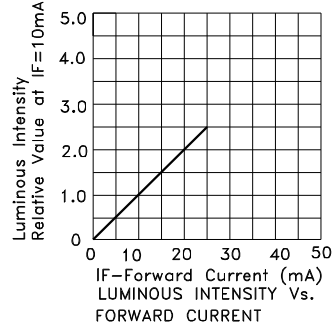
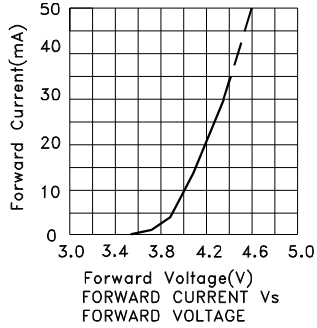


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PACKING & LABEL SPECIFICATIONS

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