

P/N: SC23-11GWA

GREEN

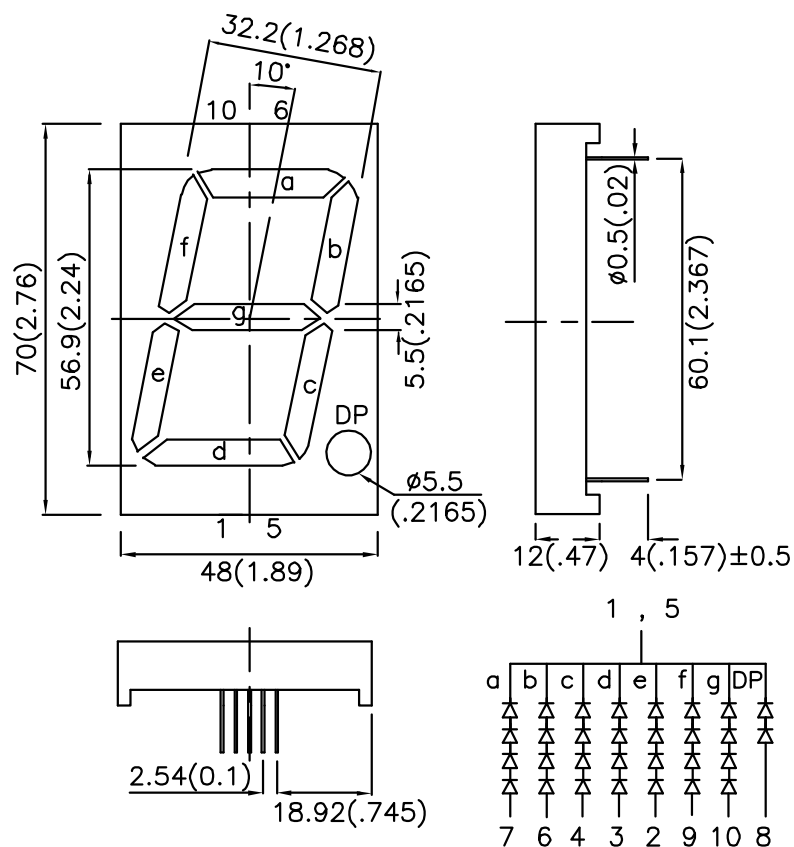
Features

- 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 Gallium Phosphide Green Light Emitting Diode.

Package Dimensions & Internal Circuit Diagram



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.

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) @ 10mA		Description
			Min.	Typ.	
SC23-11GWA	GREEN (GaP)	WHITE DIFFUSED	4700	24000	Common Cathode.Rt. Hand Decimal

Electrical / Optical Characteristics at TA=25°C

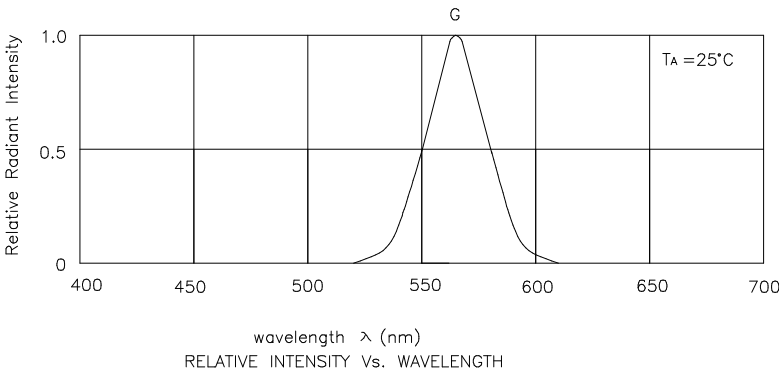
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Green	565		nm	IF=20mA
λ_D	Dominant Wavelength	Green	568		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Green	30		nm	IF=20mA
C	Capacitance	Green	15		pF	VF=0V;f=1MHz
VF	Forward Voltage Per Segment or (Dp)	Green	8.6 (4.4)	10 (5)	V	IF=20mA
IR	Reverse Current Per Segment or (Dp)	Green		10	uA	VR = 20V (VR = 10V)

Absolute Maximum Ratings at TA=25°C

Parameter	Green	Units
Power dissipation Per Segment or (Dp)	250(125)	mW
DC Forward Current Per Segment or (Dp)	25	mA
Peak Forward Current [1] Per Segment or (Dp)	140	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 5 Seconds	

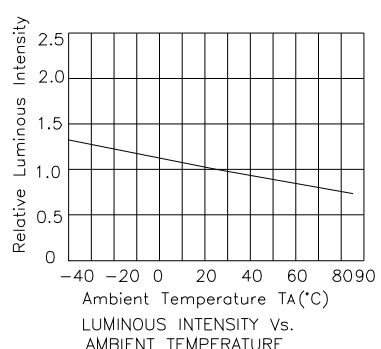
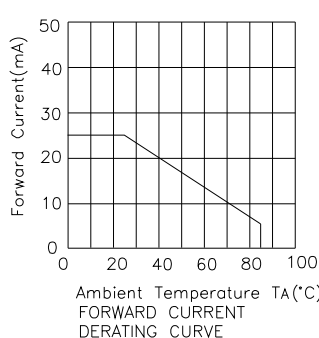
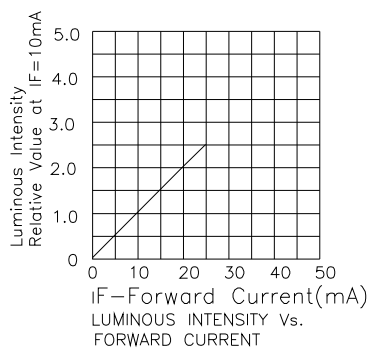
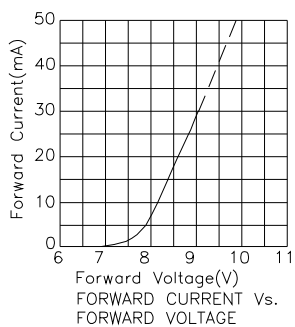
Notes:

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



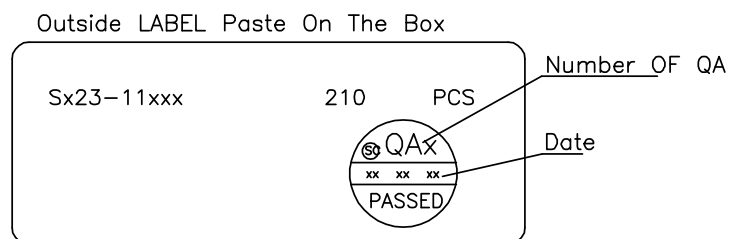
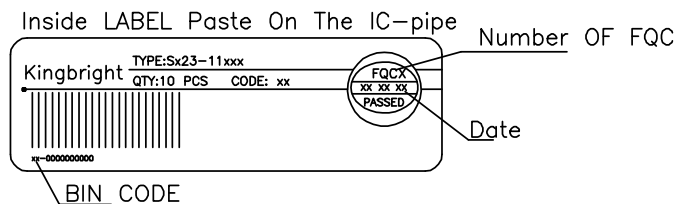
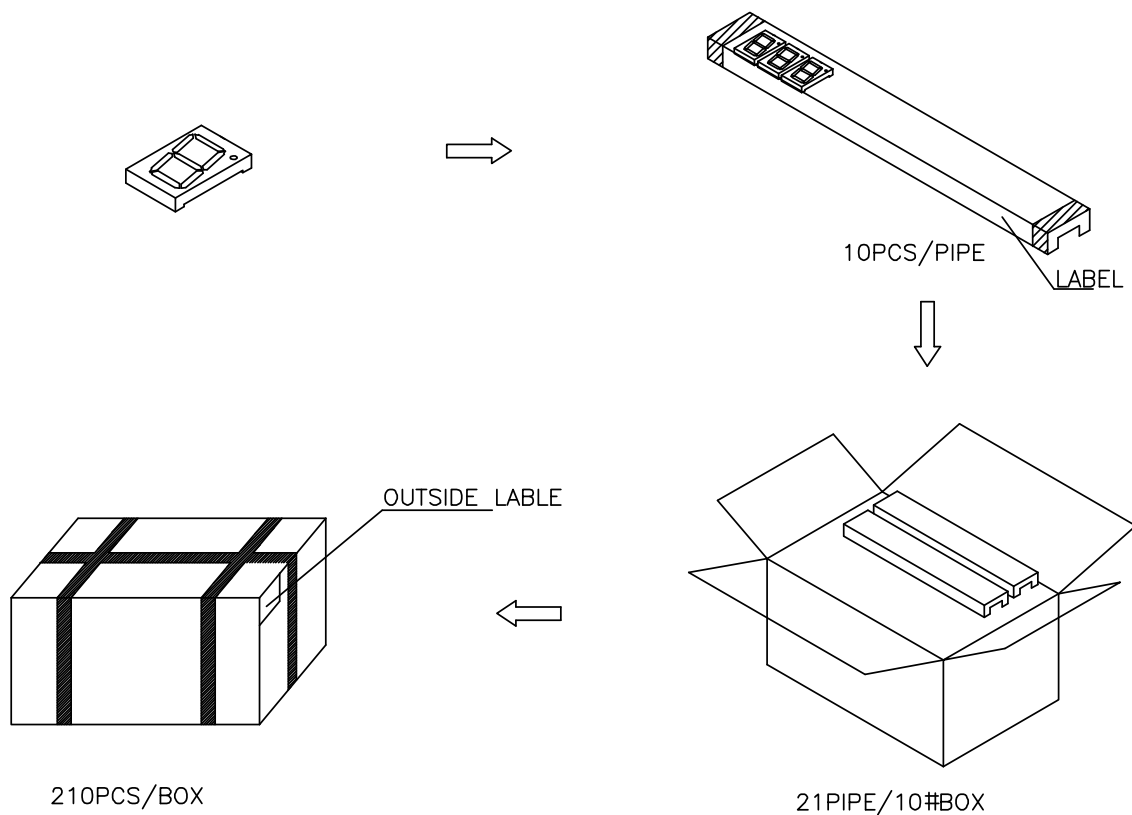
Green

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PACKING & LABEL SPECIFICATIONS

SC23-11GWA



Remarks:

If special sorting is required (e.g. binning based on forward voltage, Luminous intensity/ luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous intensity/ luminous flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.