

SURFACE MOUNT DISPLAY

P/N: KPSA04-123

GREEN

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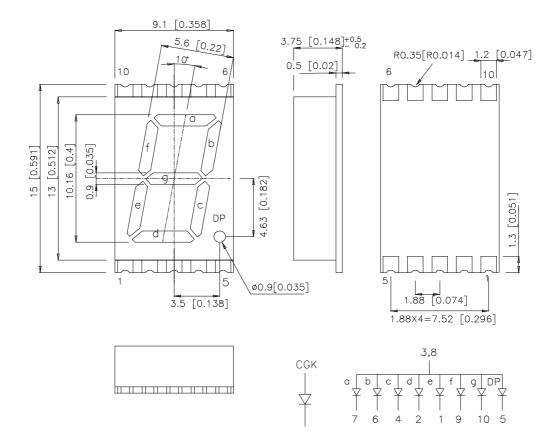
Features

- ●0.4INCH DIGIT HEIGHT.
- •LOW CURRENT OPERATION.
- •EXCELLENT CHARACTER APPEARANCE.
- ●I.C. COMPATIBLE.
- •MECHANICALLY RUGGED.
- •GRAY FACE, WHITE SEGMENT.
- ●PACKAGE: 400PCS/REEL.
- ●RoHS COMPLIANT.

Description

The Green source color devices are made with InGaAIP 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.

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Selection Guide

Part No.	Dice	lv (ucd) Lens Type @ 10 mA			Description	
			Min.	Тур.	•	
KPSA04-123	GREEN (InGaAIP)	WHITE DIFFUSED	4700	17400	Common Anode, Rt. Hand Decimal.	

Electrical / Optical Characteristics at Ta=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Green	574		nm	IF=20mA
λD	Dominant Wavelength	Green	570		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Green	20		nm	IF=20mA
С	Capacitance	Green	15		pF	VF=0V;f=1MHz
VF	Forward Voltage	Green	2.1	2.5	V	IF=20mA
lR	Reverse Current	Green		10	uA	VR = 5V

Absolute Maximum Ratings at Ta=25°C

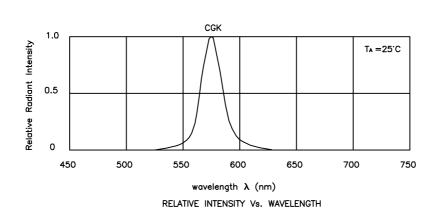
Parameter	Green	Units		
Power dissipation	105	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	150	mA		
Reverse Voltage	5	V		
Operating/Storage Temperature	-40°C To +85°C			

Note

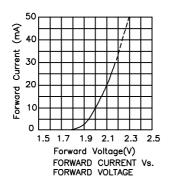
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

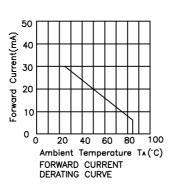
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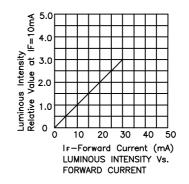
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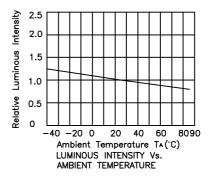


Green KPSA04-123









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.

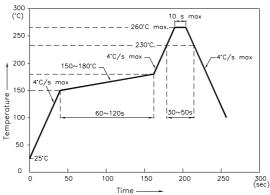
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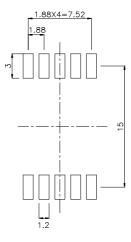
Reflow Soldering Profile For Lead-free SMT Process.



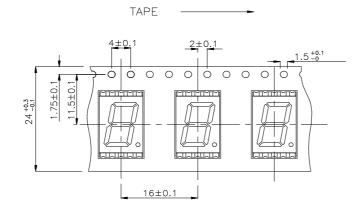
NOTES:

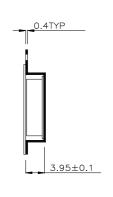
1. We recommend the reflow temperature 245°C(+/-5°C). The maximum soldering temperature should be limited to 260°C. 2.Don't cause stress to the epoxy resin while it $% \left(1\right) =\left(1\right) +\left(1\right) =\left(1\right) +\left(1\right) +\left(1\right) =\left(1\right) +\left(1\right) +\left$ 3.No more than once.

Recommended Soldering Pattern (Units: mm)



Tape Specifications (Units: mm)





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