SURFACE MOUNT DISPLAY

APDA04-41SGWA

SUPER BRIGHT GREEN

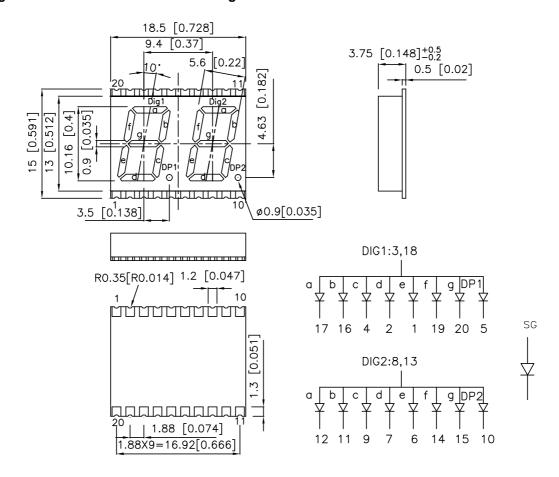
Features

- ●0.4INCH DIGIT HEIGHT.
- •LOW CURRENT OPERATION.
- •EXCELLENT CHARACTER APPEARANCE.
- ●I.C. COMPATIBLE.
- •MECHANICALLY RUGGED.
- •GRAY FACE, WHITE SEGMENT.
- ●PACKAGE:500PCS/ REEL.

Description

The Super Bright 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 $\pm 0.25 (0.01")$ unless otherwise noted.
- 2. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	lv (ucd) @ 10mA		Description
			Min.	Тур.	•
APDA04-41SGWA	SUPER BRIGHT GREEN (GaP)	WHITE DIFFUSED	1900	7000	Common Anode, Rt. Hand Decimal

Electrical / Optical Characteristics at Ta=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Green	565		nm	IF=20mA
λD	Dominant Wavelength	Super Bright Green	568		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Green	30		nm	I==20mA
С	Capacitance	Super Bright Green	15		pF	VF=0V;f=1MHz
VF	Forward Voltage	Super Bright Green	2.2	2.5	V	Ir=20mA
lr	Reverse Current	Super Bright Green		10	uA	VR = 5V

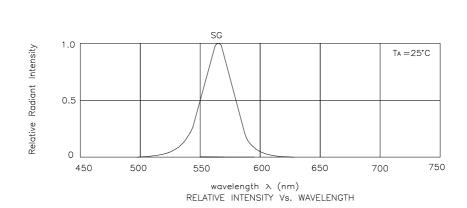
Absolute Maximum Ratings at Ta=25°C

Parameter	Super Bright Green	Units
Power dissipation	105	mW
DC Forward Current	25	mA
Peak Forward Current [1]	140	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

Note

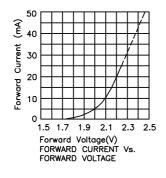
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

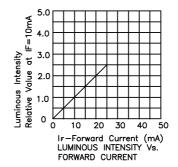
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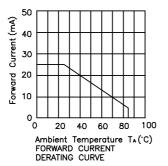


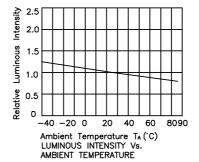
Super Bright Green

APDA04-41SGWA





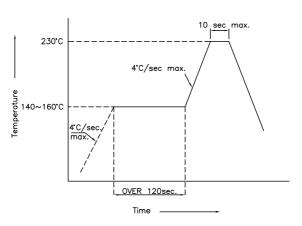




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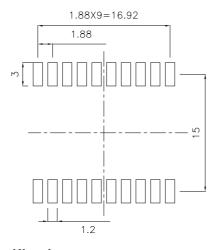
APDA04-41SGWA SMT Reflow Soldering Instructions

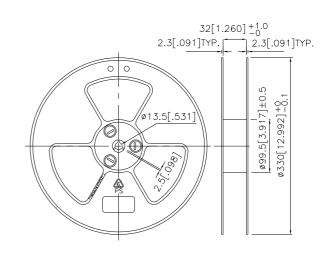
Number of reflow process shall be 2 times or less and cooling process to normal temperature is required between first and second soldering process.



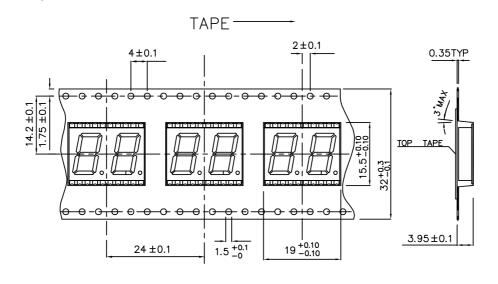
Recommended Soldering Pattern (Units: mm)

Reel Dimension





Tape Specifications (Units: mm)



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