

Part Number: LSA70-21474SGC

Super Bright Green

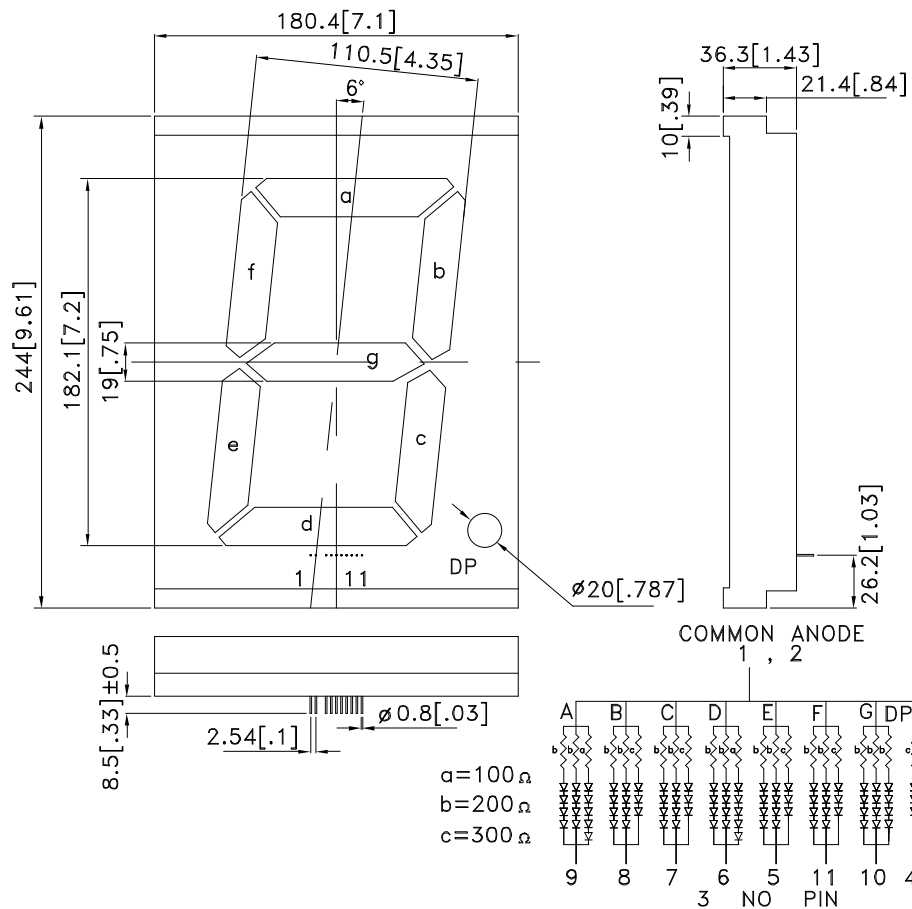
### Features

- LARGE SIZE.
- 7.2 INCH DIGIT HEIGHT.
- EXCELLENT CHARACTER APPEARANCE.
- HIGH LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- RoHS COMPLIANT.

### 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	Iv (mcd) / per chip [1] @ 20mA	
			Min.	Typ.
LSA70-21474SGC	Super Bright Green (GaP)	WATER CLEAR	2.6	10

Note:

1. Luminous intensity/ luminous Flux: +/-15%.

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

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
$\lambda_{peak}$	Peak Wavelength	Super Bright Green	565		nm	VF=12V
$\lambda_D$ [1]	Dominant Wavelength	Super Bright Green	568		nm	VF=12V
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Super Bright Green	30		nm	VF=12V
C	Capacitance	Super Bright Green	15		pF	VF=0V;f=1MHz
IF	Forward Current Per Segment (DP)	Super Bright Green	56.7 (18.9)	75 (25)	mA	VF=12V
IR	Reverse Current Per Segment (DP)	Super Bright Green		30 (10)	uA	VR=15V

Notes:

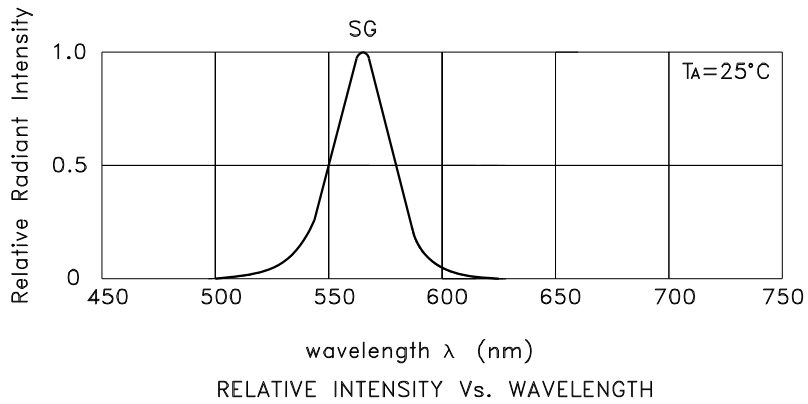
1.Wavelength: +/-1nm.

## Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Green	Units
Power dissipation Per Segment (DP)	1.125(0.375)	W
DC Forward Voltage Per Segment (DP)	15	V
Reverse Voltage Per Segment (DP)	15	V
Operating / Storage Temperature	-40°C To +85°C	
Lead Solder Temperature[1]	260°C For 3-5 Seconds	

Notes:

1. 2mm below package base.



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