

GREEN

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ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

- •SINGLE COLOR.
- •SUITABLE FOR ALL SMT ASSEMBLY AND SOLDER PROCESS.
- •AVAILABLE ON TAPE AND REEL.
- ●IDEAL FOR BACKLIGHTING.
- •PACKAGE : 500PCS / REEL.
- •MOISTURE SENSITIVITY LEVEL : LEVEL 4.
- •ROHS COMPLIANT.

Description

Part Number: AA4040VGC/A

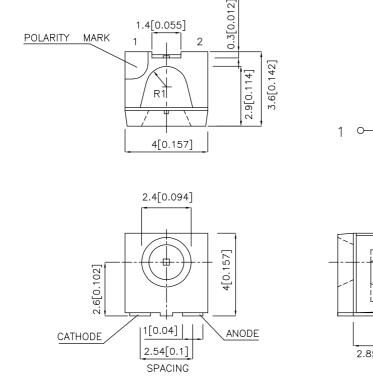
The Green source color devices are made with InGaN on G-SiC Light Emitting Diode.

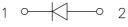
Static electricity and surge damage the LEDS.

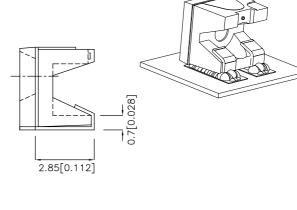
It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

Package Dimensions







Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is ±0.25(0.01") unless otherwise noted.

Specifications are subject to change without notice.

4. The device has a single mounting surface. The device must be mounted according to the specifications.

SPEC NO: DSAG6303 APPROVED: WYNEC REV NO: V.2 CHECKED: Allen Liu DATE: MAR/15/2007 DRAWN: S.J.LIU PAGE: 1 OF 5 ERP: 1201002080

Selection Guide

Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	2 0 1/2
AA4040VGC/A	GREEN (InGaN)	WATER CLEAR	70	200	90°

Notes:

1.01/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value. 2.Luminous Intensity/ Luminous Flux: +/-15%

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Green	520		nm	IF=20mA
λD[1]	Dominant Wavelength	Green	525		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Green	35		nm	IF=20mA
С	Capacitance	Green	100		pF	VF=0V;f=1MHz
VF[2]	Forward Voltage	Green	3.2	4.0	V	IF=20mA
IR	Reverse Current	Green		10	uA	VR = 5V

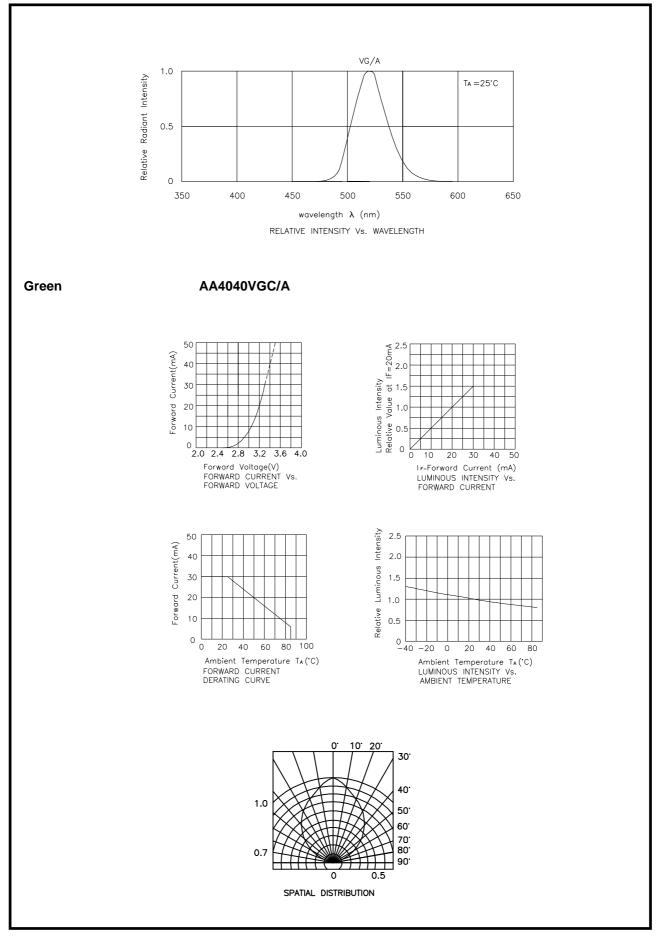
Notes: 1.Wavelength: +/-1nm 2.Forward Voltage: +/-0.1V

Absolute Maximum Ratings at TA=25°C

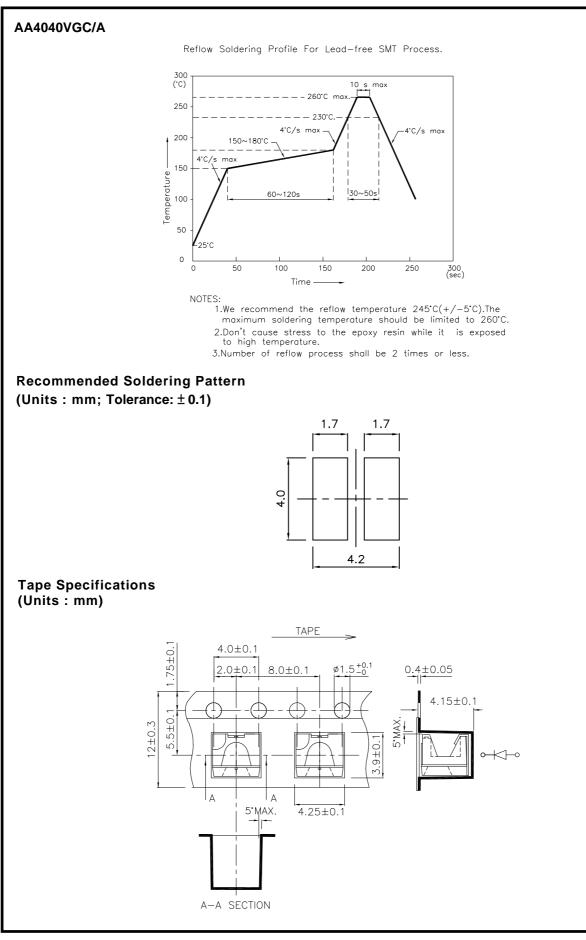
Parameter	Green	Units
Power dissipation	120	mW
DC Forward Current	30	mA
Peak Forward Current [1]	100	mA
Reverse Voltage	5	V
Dperating/Storage Temperature -40°C To +85°C		

Note:

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



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