PRELIMINARY SPEC

3.0mmx1.0 mm RIGHT ANGLE SMD CHIP LED LAMP

Part Number: APA3010VGC/Z

Green



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

• 3.0mmx1.0mm RIGHT ANGLE SMT LED, 2.0mm THICKNESS

- LOW POWER CONSUMPTION.
- WIDE VIEWING ANGLE.
- IDEAL FOR BACK LIGHT AND INDICATOR.
- VARIOUS COLORS AND LENS TYPES AVAILABLE.
- PACKAGE : 2000PCS / REEL.
- MOISTURE SENSITIVITY LEVEL : LEVEL 3.
- RoHS COMPLIANT.

Package Dimensions

Description

The Green source color devices are made with InGaN 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.

0.3(.012) -0.3(.012) 3.0(.118) --- 2 1 2(.079).0(.079) 04) 0.25(.01)0.25(.01)POLARITY MARK 2 Notes: 1. All dimensions are in millimeters (inches). 2. Tolerance is ±0.15(0.006") unless otherwise noted. Specifications are subject to change without notice. The device has a single mounting surface. The device must be mounted according to the specifications.

SPEC NO: DSAH3730 **APPROVED: WYNEC**

REV NO: V.1 CHECKED: Allen Liu DATE: APR/26/2007 DRAWN: Y.L.LI

PAGE: 1 OF 5 ERP: 1203006254

Selection Guide

Selection Guide					
Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
APA3010VGC/Z	Green (InGaN)	WATER CLEAR	380	800	120°

Notes:

θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
Luminous intensity/ luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions	
λpeak	Peak Wavelength	Green	525		nm	I⊧=20mA	
λD [1]	Dominant Wavelength	Green	535		nm	I⊧=20mA	
Δλ1/2	Spectral Line Half-width	Green	39		nm	I⊧=20mA	
С	Capacitance	Green	65		pF	VF=0V;f=1MHz	
VF [2]	Forward Voltage	Green	3.2	3.7	V	I⊧=20mA	
lr	Reverse Current	Green		10	uA	Vr=5V	

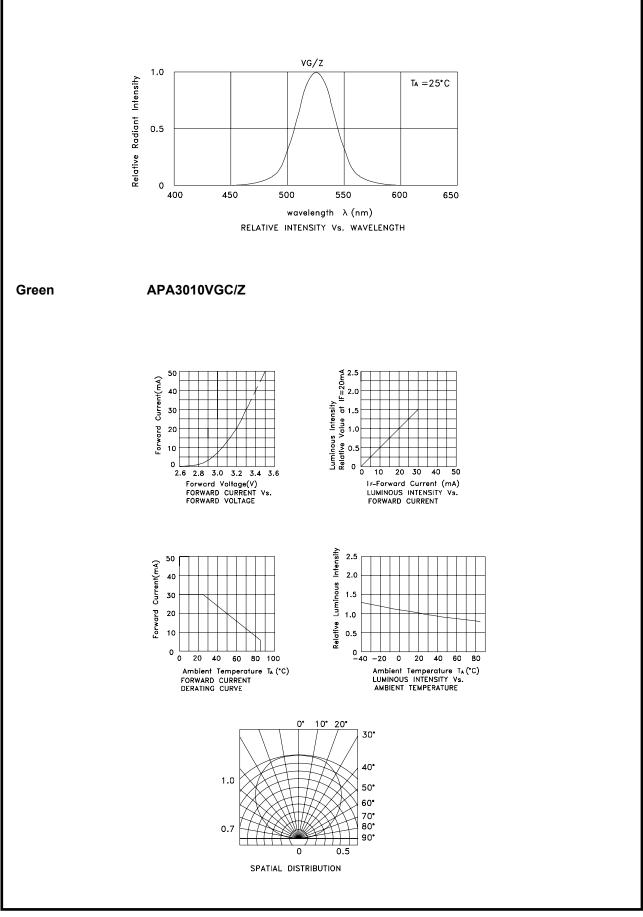
Notes:

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

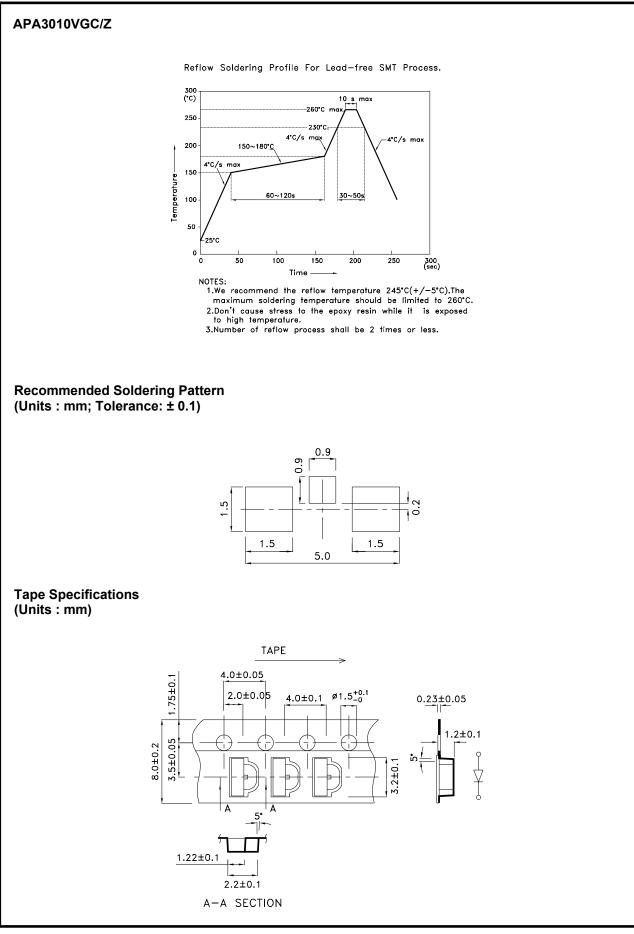
Absolute Maximum Ratings at TA=25°C

Parameter	Green	Units	
Power dissipation	111	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	100	mA	
Reverse Voltage	5	V	
Operating Temperature	-40°C To +85°C		
Storage Temperature	-40°C To +85°C		

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



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