2.1x0.6mm RIGHT ANGLE SURFACE LED LAMP

Part Number: APA2106QWF/F White



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

- 2.1mmX0.6mm right angle SMT LED, 1.0mm thickness.
- Low power consumption.
- Wide viewing angle.
- Ideal for backlight and indicator.
- Various colors and lens types available.
- Package: 2000pcs / reel.
- Moisture sensitivity level : level 3.
- Tinned pads for improved solderability.
- RoHS compliant.

Description

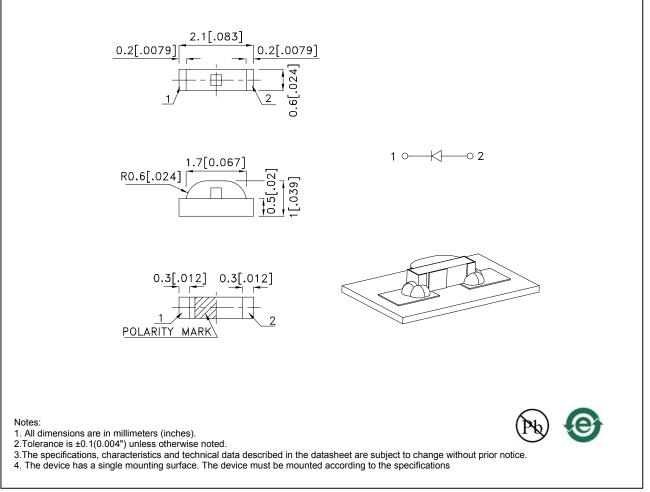
The source color devices are made with InGaN Light Emitting Diode.

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.

Package Dimensions



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Selection Guide

Part No.	Dice	Lens Type	lv (mo @ 20	/	Viewing Angle [1]
			Min.	Тур.	201/2
APA2106QWF/F	White (InGaN)	Yellow Fluorescent	200	400	120°

Notes:

1. 61/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.
Luminous intensity/ luminous Flux: +/-15%.
Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
VF [1]	Forward Voltage	White	3.3	4	V	I⊧=20mA
IR	Reverse Current	White		50	uA	VR = 5V
x [2]	Chromoticity Coordinates	White	0.31			
y [2]	Chromaticity Coordinates		0.31			
С	Capacitance	White	100		pF	VF=0V;f=1MHz

Notes:

1. Forward Voltage: +/-0.1V.

2. Measurement tolerance of the chromaticity coordinates is ± 0.01 .

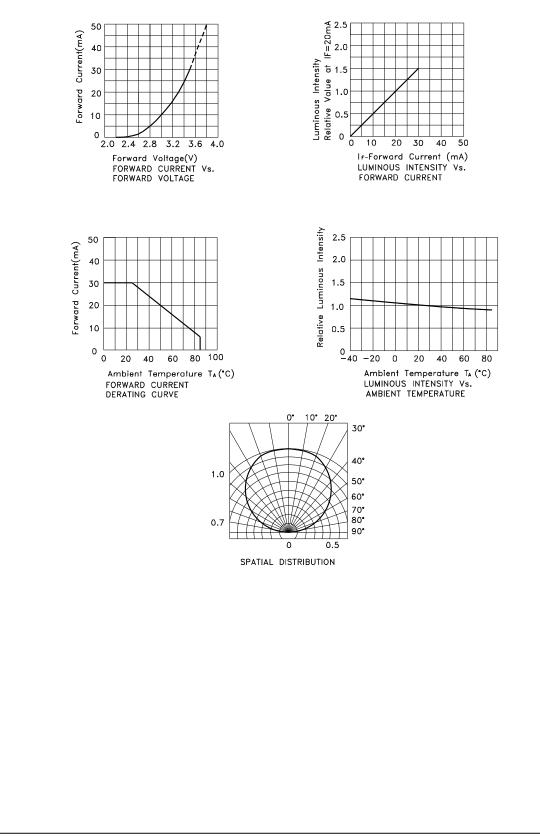
Absolute Maximum Ratings at TA=25°C

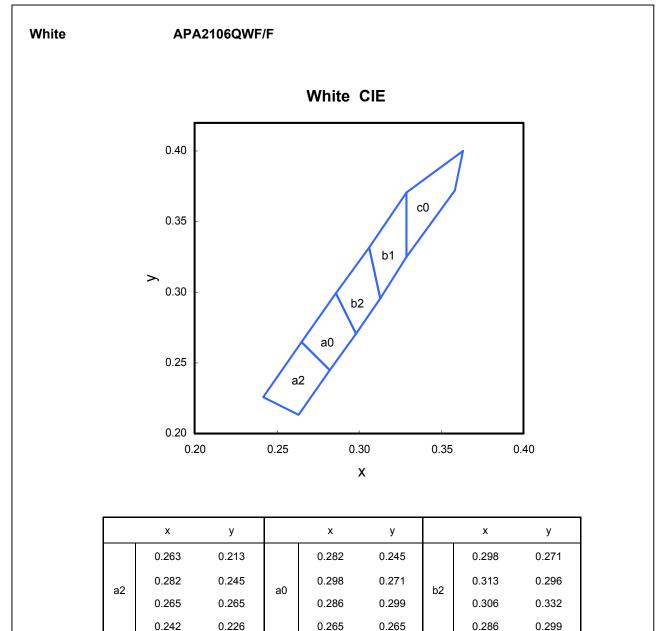
Parameter	White	Units		
Power dissipation	120	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	150	mA		
Reverse Voltage	5	V		
Operating Temperature	-40°C To +85°C			
Storage Temperature	-40°C To +85°C			

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

White

APA2106QWF/F





0.329

0.358

0.363

0.329

c0

0.325 0.372

0.400

0.371

Notes:

Shipment may contain more than one chromaticity regions. Orders for single chromaticity region are generally not accepted. Measurement tolerance of the chromaticity coordinates is ±0.01.

0.313

0.329

0.329

0.306

b1

0.296

0.325

0.371

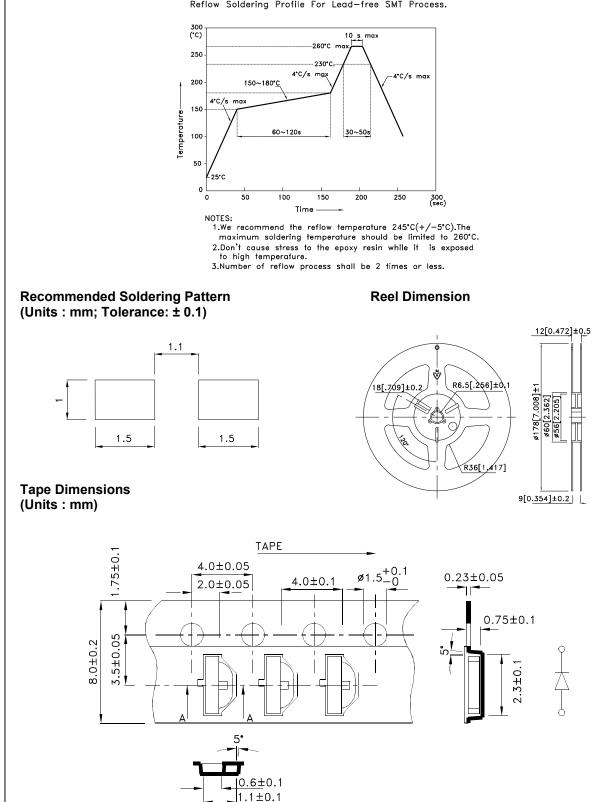
0.332

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Reflow soldering is recommended and the soldering profile is shown below. Other soldering methods are not recommended as they might cause damage to the product.

Reflow Soldering Profile For Lead-free SMT Process.



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A-A SECTION

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