PRELIMINARY SPEC

3.2mmx1.6mm SMD CHIP LED LAMP

Part Number: APT3216QWF/D

White



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

- 3.2mmx1.6mm SMT LED, 0.75mm 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.
- RoHS COMPLIANT.

Description

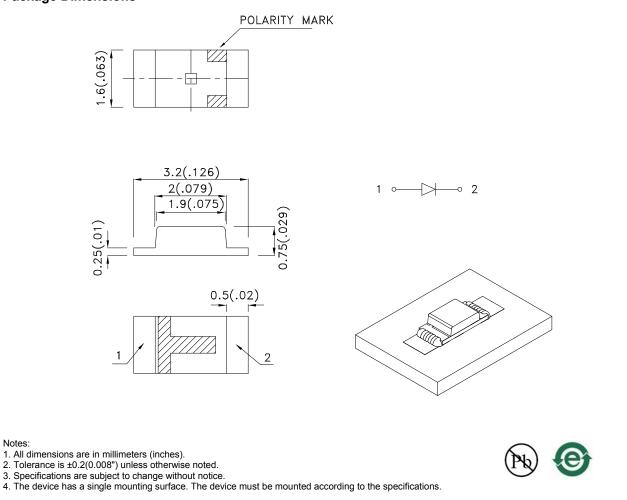
The source color devices are made with AlInGaN on Sapphire Light Emitting Diode.

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



SPEC NO: DSAI2506 APPROVED: WYNEC REV NO: V.1 CHECKED: Allen Liu DATE: APR/01/2008 DRAWN: Y.F.Lu PAGE: 1 OF 6 ERP: 1203001960

Selection Guide										
Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]					
			Min.	Тур.	201/2					
APT3216QWF/D	White (AlInGaN)	YELLOW FLUORESCENT	110	250	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
VF [1]	Forward Voltage	White	3.3	4.0	V	I⊧=20mA
IR	Reverse Current	White		10	uA	VR = 5V
X [2]	Charmaticity Coordinator	White	0.31			
Y [2]	Chromaticity Coordinates		0.31			
С	Capacitance	White	100		pF	VF=0V;f=1MHz

Notes:

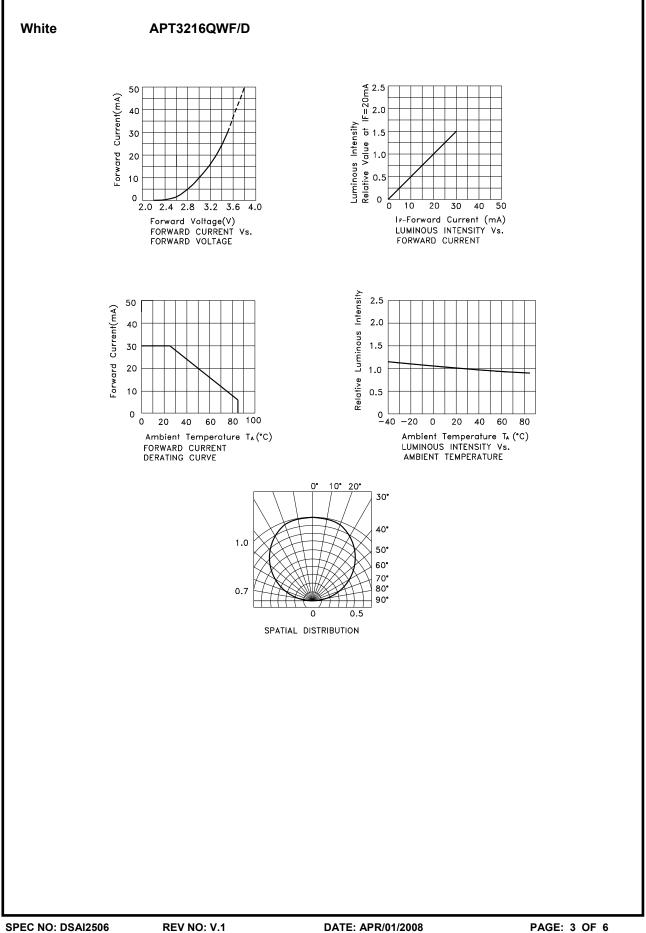
1. Forward Voltage: +/-0.1V.

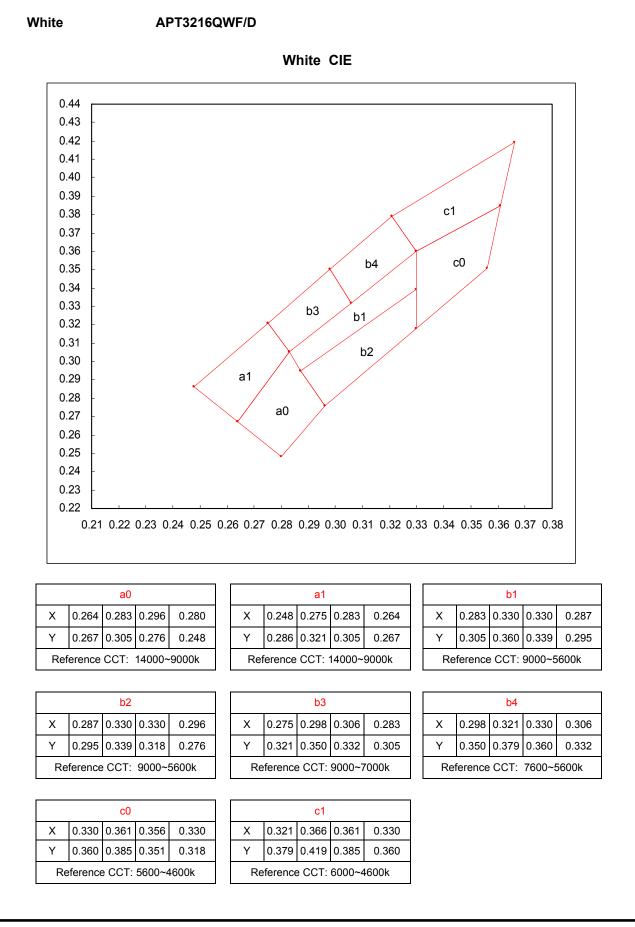
2: Measurement Tolerance Of The Chromaticity Coordinates Is ±0.01.

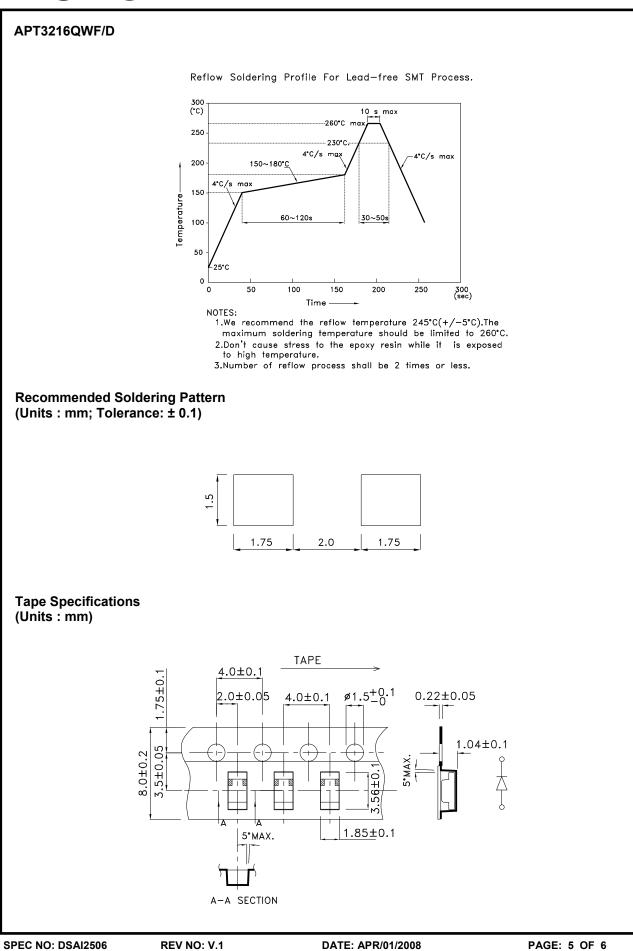
Absolute Maximum Ratings at TA=25°C

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.







CHECKED: Allen Liu

DATE: APR/01/2008 DRAWN: Y.F.Lu

