

2.0x1.25mm SMD CHIP LED LAMP



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE

SENSITIVE **DEVICES**

APTK2012MWC

WHITE

Features

- •2.0mmx1.25mm SMT LED, 0.75mm THICKNESS.
- •LOW POWER CONSUMPTION.
- •WIDE VIEWING ANGLE.
- •IDEAL FOR BACK LIGHT AND INDICATOR.
- VARIOUS COLORS AND LENS TYPES AVAILABLE.
- PACKAGE: 2000 PCS/REEL

Description

The source color devices are made with GaN on SiC Light Emitting Diode.

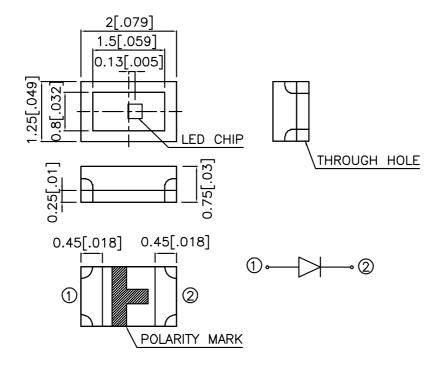
Static electricity and surge damage the LEDS.

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



- 1. All dimensions are in millimeters (inches).
 2. Tolerance is ±0.1(0.004") unless otherwise noted.
 3. Specifications are subject to change without notice.

SPEC NO: DSAD1126 **REV NO: V.2** DATE: JAN/05/2004 PAGE: 1 OF 4 APPROVED: J. Lu CHECKED: Allen Liu DRAWN: H.Y.TANG

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Selection Guide

Part No.	Dice	Lens Type	lv (mcd) @ 20mA		Viewing Angle
			Min.	Тур.	201/2
APTK2012MWC	WHITE (GaN)	WATER CLEAR	18	40	100°

Note:

Electrical / Optical Characteristics at Ta=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
VF	Forward Voltage	White	3.8	4.5	V	IF=20mA
IR	Reverse Current	White		10	uA	VR = 5V
Х	Ohara and Salta Oharadia at a	White	0.33			
Y	Chromaticity Coordinates	White	0.34			
С	Capacitance	White	100		pF	VF=0V;f=1MHz

Absolute Maximum Ratings at TA=25°C

Parameter	White	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating / Storage Temperature	-40°C To +85°C	

Note

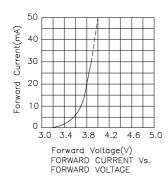
SPEC NO: DSAD1126 REV NO: V.2 DATE: JAN/05/2004 PAGE: 2 OF 4
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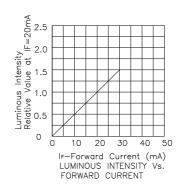
^{1.} θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

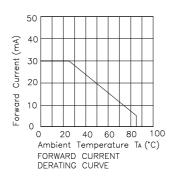
^{1. 1/10} Duty Cycle, 0.1ms Pulse Width.

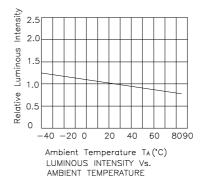
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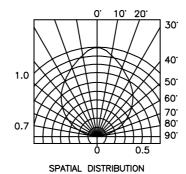
White APTK2012MWC











SPEC NO: DSAD1126 REV NO: V.2 DATE: JAN/05/2004 PAGE: 3 OF 4

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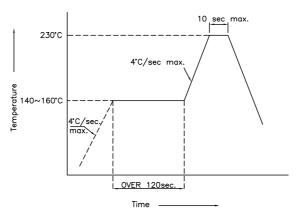
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SMT Reflow Soldering Instruction

Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and second soldering process.

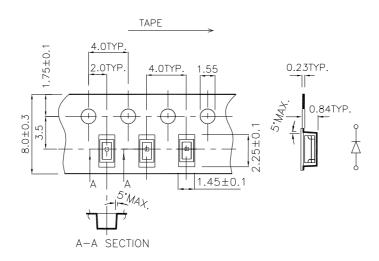


Recommended Soldering Pattern

(Units: mm)



Tape Specifications (Units: mm)



SPEC NO: DSAD1126 REV NO: V.2 DATE: JAN/05/2004 PAGE: 4 OF 4

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