3.2x1.6mm SMD CHIP LED LAMP

Part Number: APTD3216VGC/A Green



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

- 3.2mmX1.6mm SMT LED, 1.8mm 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

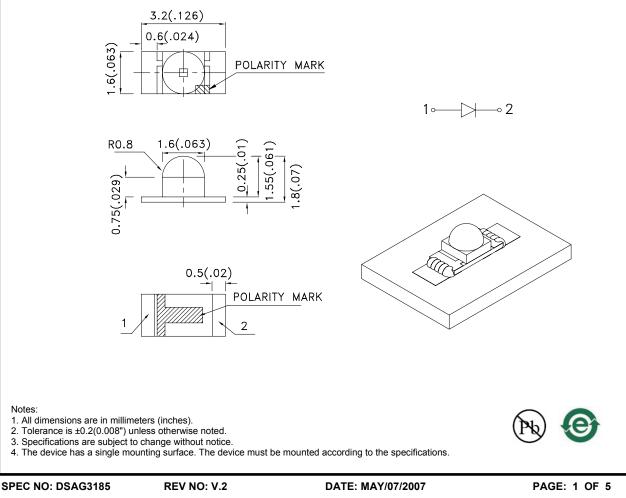
The Green source color devices are made with InGaN on G-SiC Light Emitting Diode.

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



APPROVED: WYNEC

Notes:

CHECKED: Allen Liu

DRAWN: Y.L.LI

ERP: 1203004732

Selection Guide

| Selection Guide | | | | | |
|-----------------|---------------|----------------|------|------------------------|-------|
| Part No. | Dice | Dice Lens Type | | lv (mcd) [2] @ 20mA | |
| | | | Min. | Тур. | 201/2 |
| APTD3216VGC/A | Green (InGaN) | WATER CLEAR | 280 | 800 | 50° |

Notes:

1. θ /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 | I⊧=20mA |
| λD [1] | Dominant Wavelength | Green | 525 | | nm | I⊧=20mA |
| Δλ1/2 | Spectral Line Half-width | Green | 35 | | nm | I⊧=20mA |
| С | Capacitance | Green | 100 | | pF | VF=0V;f=1MHz |
| Vf [2] | Forward Voltage | Green | 3.2 | 4 | 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 | |
| Operating Temperature | -40°C To +85°C | | |
| Storage Temperature | -40°C To +85°C | | |

Note:

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

