

## T-1 3/4 (5mm) SOLID STATE LAMP

L-7114QWC-D WHITE

## **Features**

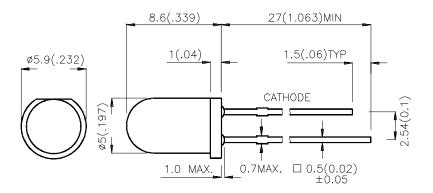
- •HIGH INTENSITY.
- •LOW POWER CONSUMPTION.
- •POPULAR T-1 3/4 DIAMETER PACKAGE.
- •GENERAL PURPOSE LEADS.
- •RELIABLE AND RUGGED.
- •LONG LIFE SOLID STATE RELIABILITY.
- •AVAILABLE ON TAPE AND REEL.

# **Description**

Emitting Diode.

The source color devices are made with GaN on SiC Light

## **Package Dimensions**



## Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is  $\pm 0.25 (0.01\mbox{"})$  unless otherwise noted.
- 3. Lead spacing is measured where the lead emerge package.
- 4. Specifications are subject to change without notice.

SPEC NO: DSAA5420 REV NO: V.1 DATE: NOV/09/2001 PAGE: 1 OF 3
APPROVED: J. Lu CHECKED: DRAWN: J.X.FU



## **Selection Guide**

Part No.	Dice	Case-Color	<b>lv (mcd)</b> @ 20 mA		<b>Viewing</b> Angle
			Min.	Тур.	201/2
L-7114QWC-D	WHITE (GaN)	WATER CLEAR	2200	3200	20°

#### Note

# Electrical / Optical Characteristics at T<sub>A</sub>=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
V <sub>F</sub>	Forward Voltage	White	3.5	4.0	V	IF=20mA
I <sub>R</sub>	Reverse Current	White		10	uA	VR = 5V
Х	Characterists Consultinates	White	0.34			
Y	Chromaticity Coordinates		0.35			
С	Capacitance	White	100		pF	VF=0V; f =1MHz

# Absolute Maximum Ratings at T<sub>A</sub>=25°C

Parameter	White		
Power dissipation	105	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	180	mA	
Reverse Voltage	5	V	
Operating/Storage Temperature	-40 °C To + 85 °C		
Lead Solder Temperature [2]	260°C For 5 Seconds		

## Notes

- 1. 1/10 Duty Cycle, 0.1ms Pulse Width.
- 2. 4mm below package base.

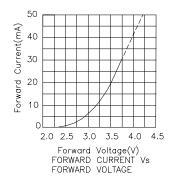
 SPEC NO: DSAA5420
 REV NO: V.1
 DATE: NOV/09/2001
 PAGE: 2 OF 3

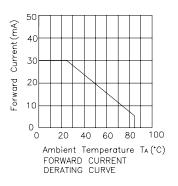
 APPROVED: J. Lu
 CHECKED:
 DRAWN: J.X.FU

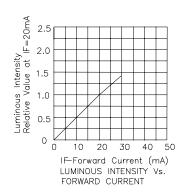
<sup>1.</sup>  $\theta$ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

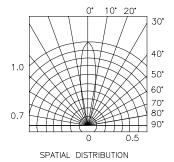
# Kingbright

## White L-7114QWC-D









SPEC NO: DSAA5420 APPROVED : J. Lu REV NO: V.1 CHECKED: DATE: NOV/09/2001 DRAWN: J.X.FU PAGE: 3 OF 3