PRELIMINARY SPEC

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

Part Number: WP7113PR51C/A

CYAN



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

- •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.
- •RoHS COMPLIANT.

Description

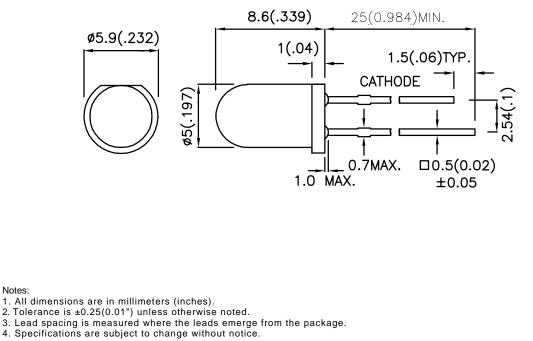
The source color devices are made with InGaN on SiC Light Emitting Diode.

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



Notes:

REV NO: V.4 CHECKED: Allen Liu DATE: AUG/07/2006 DRAWN: W.J.ZHU

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Selection Guide

Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	2 0 1/2
WP7113PR51C/A	CYAN (InGaN)	WATER CLEAR	900	2200	20 °

Notes:

1.01/2 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
VF [1]	Forward Voltage	Cyan	3.3	3.8	V	IF=20mA
IR	Reverse Current	Cyan		10	uA	VR = 5V
X [2]	Ohan matiaity Casadia atao	Cyan	0.18			- IF=20mA
Y [2]	Chromaticity Coordinates		0.39			
С	Capacitance	Cyan	100		pF	VF=0V;f=1MHz

Notes:

Forward Voltage: +/-0.1V.
Chromaticity Coordinates X, Y: +/-0.03.

Absolute Maximum Ratings at TA=25°C

Parameter	Cyan	Units		
Power dissipation	114	mW		
DC Forward Current	30	mA		
Reverse Voltage	5	V		
Operating/Storage Temperature	-40°C To +85°C			
Lead Solder Temperature [1]	260°C For 3 Seconds			
Lead Solder Temperature [2]	260°C For 5 Seconds			

Notes:

1. 2mm below package base.

2. 5mm below package base.

