

5mm LEDs

Order code	Manufacturer code	Description
55-1640	L-7114QWC-D	L-7114QWC-D 5MM WHITE LED (RC)

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The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 12/12/2006

L-7114QWC-D WHITE

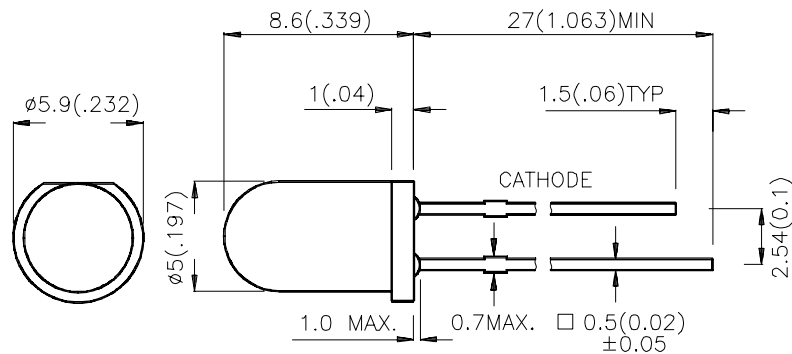
Features

- 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

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

Package Dimensions



Notes:

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

Selection Guide

Part No.	Dice	Case-Color	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	θ1/2
L-7114QWC-D	WHITE (GaN)	WATER CLEAR	2200	3200	20°

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
V _F	Forward Voltage	White	3.5	4.0	V	IF=20mA
I _R	Reverse Current	White		10	uA	VR = 5V
X	Chromaticity Coordinates	White	0.34			
Y			0.35			
C	Capacitance	White	100		pF	VF=0V; f =1MHz

Absolute Maximum Ratings at T_A=25°C

Parameter	White	Units
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.

White L-7114QWC-D

