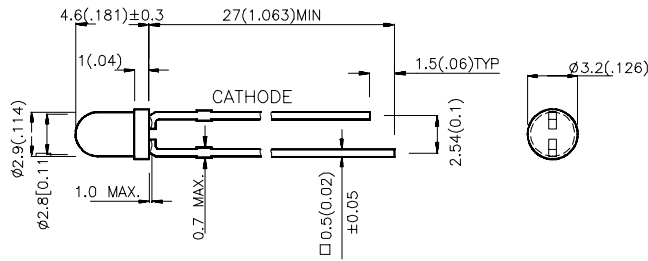


## Package Dimensions

## T-1 (3mm) SOLID STATE LAMP

E7104QWC-D WHITE



### 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.

## Features

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

## Description

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

## Selection Guide

Part No.	Emitting Color +Material	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	2 $\theta$ 1/2
E7104QWC-D	GaN	WATER CLEAR	1200	2200	34°

### Note:

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

## Electrical / Optical Characteristics at $T_A=25^\circ\text{C}$

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
$V_F$	Forward Voltage	White	3.5	4.0	V	$I_F=20\text{mA}$
$I_R$	Reverse Current	White		10	$\mu\text{A}$	$V_R = 5\text{V}$
X	Chromaticity Coordinates	White	0.34			
Y			0.35			

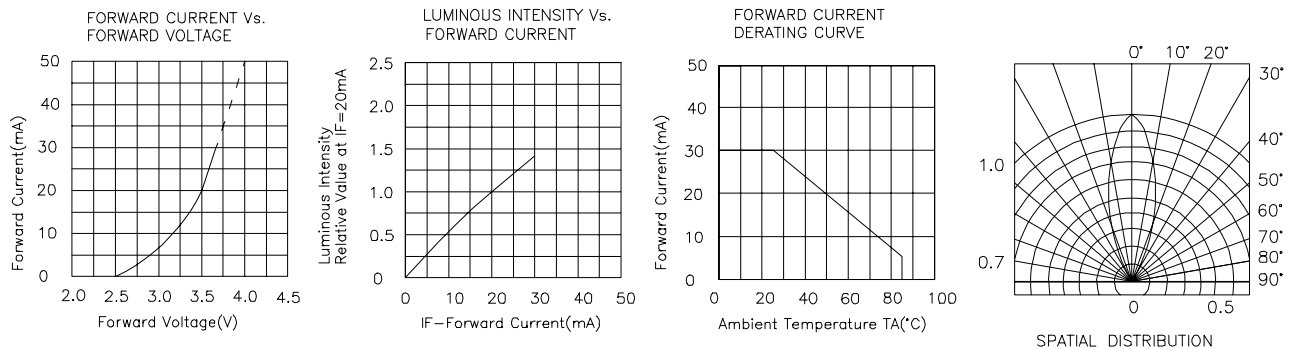
## Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

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

Notes:

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

## White E7104QWC-D



DATA NO :EA0351

REV NO :V1

DATE :OCT/16/2001