

L-7104SRD-5V

SUPER BRIGHT RED

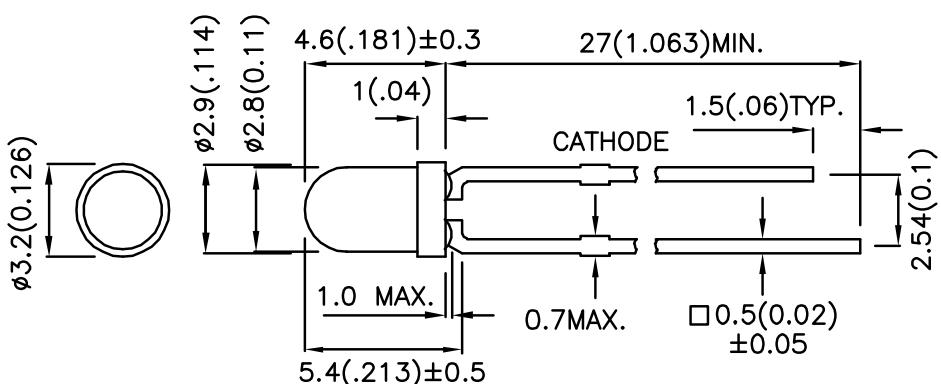
Features

- LOW POWER CONSUMPTION.
- POPULAR T-1 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.
- 5V INTERNAL RESISTOR.
- RoHS COMPLIANT.

Description

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

Package Dimensions



Notes:

Notes:

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

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Selection Guide

Part No.	Dice	Lens Type	I _v (mcd) @ V=5V		Viewing Angle
			Min.	Typ.	
L-7104SRD-5V	SUPER BRIGHT RED (GaAlAs)	RED DIFFUSED	70	150	40°

Note:

1. 01/2 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
λ_{peak}	Peak Wavelength	Super Bright Red	660		nm	V _F =5V
λ_D	Dominant Wavelength	Super Bright Red	640		nm	V _F =5V
$\Delta\lambda 1/2$	Spectral Line Half-width	Super Bright Red	20		nm	V _F =5V
I _F	Forward Current	Super Bright Red	13	17.5	mA	V _F = 5V
I _R	Reverse Current	Super Bright Red		10	uA	V _R = 5V

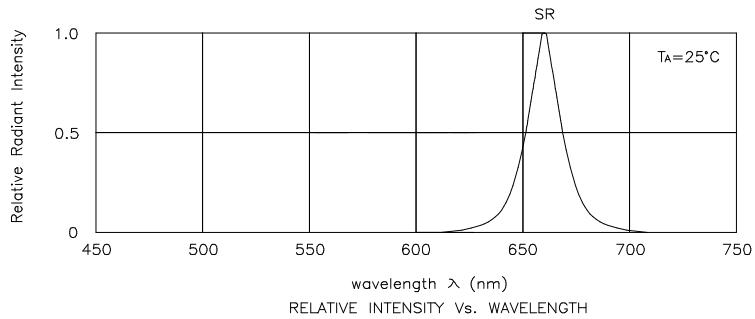
Absolute Maximum Ratings at T_A=25°C

Parameter	Super Bright Red	Units
Power dissipation	85	mW
Forward Voltaget	6	V
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
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:

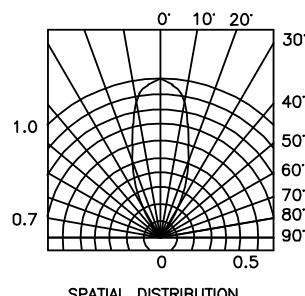
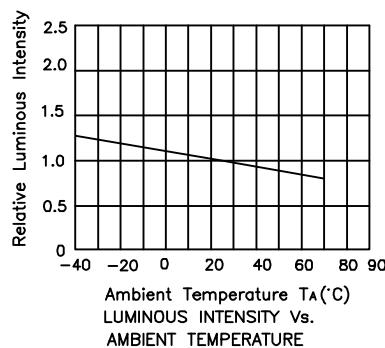
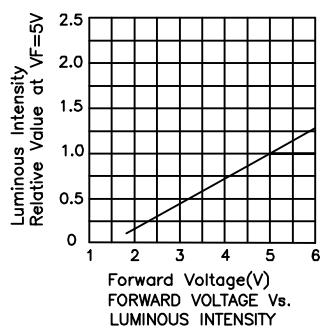
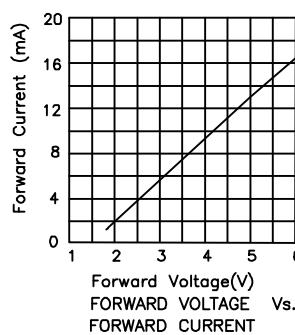
1. 2mm below package base.
2. 5mm below package base.

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Super Bright Red

L-7104SRD-5V



Remarks:

If special sorting is required (e.g. binning based on luminous intensity, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm

2. Luminous Intensity: +/-15%

Note: Accuracy may depend on the sorting parameters.