

W934FO/2SRD

SUPER BRIGHT RED

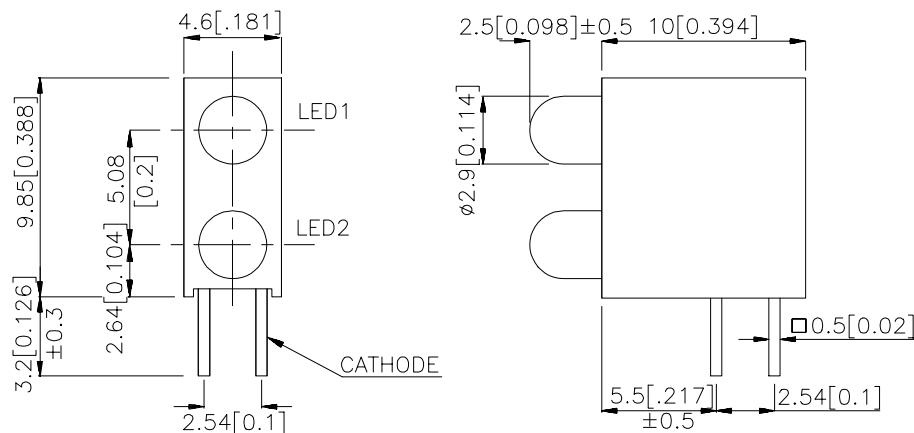
Features

- PRE-TRIMMED LEADS FOR PC MOUNTING.
- I.C. COMPATIBLE.
- BLACK CASE ENHANCES CONTRAST RATIO.
- WIDE VIEWING ANGLE.
- HIGH RELIABILITY LIFE MEASURED IN YEARS.
- UL RATING : 94V-0.
- HOUSING MATERIAL: TYPE 66 NYLON.

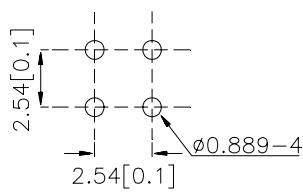
Description

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

Package Dimensions



RECOMMENDED PCB LAYOUT



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 lead emerge package.
4. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	IV (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	
W934FO/2SRD	SUPER BRIGHT RED(GaAlAs)	RED DIFFUSED	110	300	60°

Note:

1. 60°/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at $T_A=25^\circ C$

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Super Bright Red	660		nm	$I_F=20mA$
λ_D	Dominate Wavelength	Super Bright Red	640		nm	$I_F=20mA$
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Super Bright Red	20		nm	$I_F=20mA$
C	Capacitance	Super Bright Red	45		pF	$V_F=0V; f=1MHz$
V_F	Forward Voltage	Super Bright Red	1.85	2.5	V	$I_F=20mA$
I_R	Reverse Current	Super Bright Red		10	uA	$V_R = 5V$

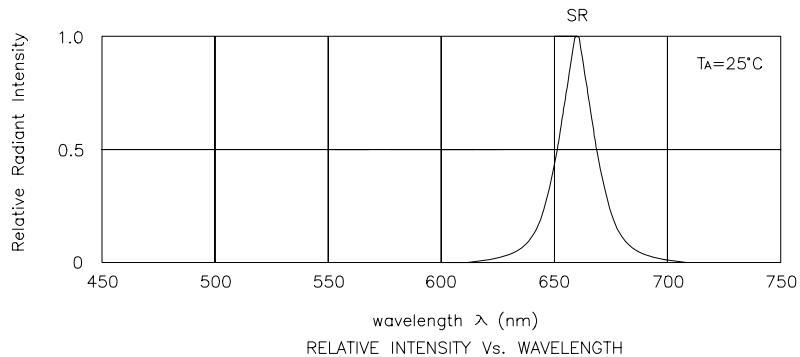
Absolute Maximum Ratings at $T_A=25^\circ C$

Parameter	Super Bright Red	Units
Power dissipation	100	mW
DC Forward Current	30	mA
Peak Forward Current [1]	155	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Soldering Temperature [2]	260°C For 5 Seconds	

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.



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