

深圳市源泉光电子销售部



LED LAMP Product Specifications

Name:LED 5mm Red
Model:F53GD4SR-1

Product Overview

- Size 5mm round
- Ordinary iron silver-plated pin
- Half-power angle LED: 90°C

Product Features

- High-brightness
- Low-power
- High reliability and stability

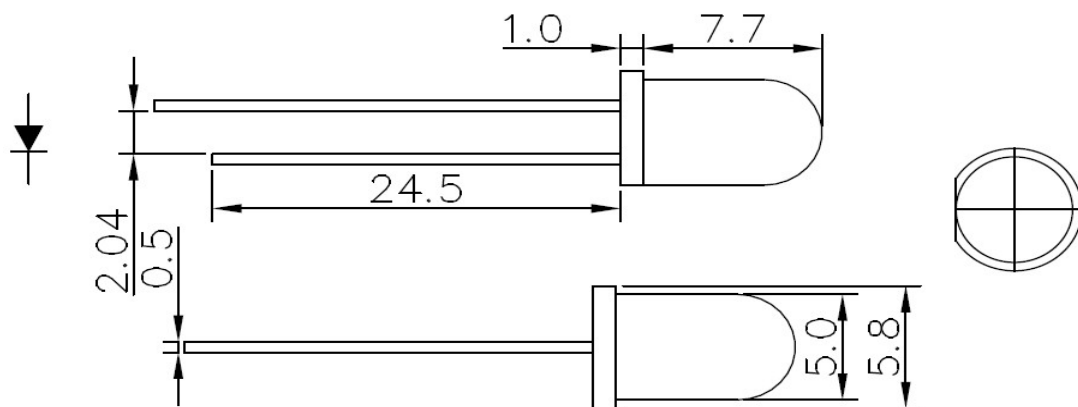
Product Application

- Small area lighting
- Ordinary light
- Background light

Product Description

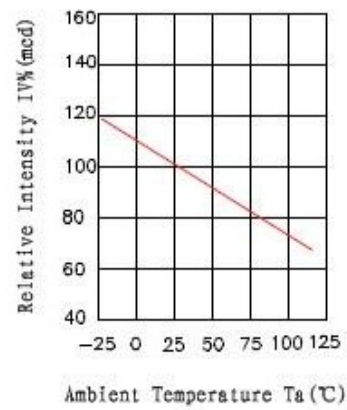
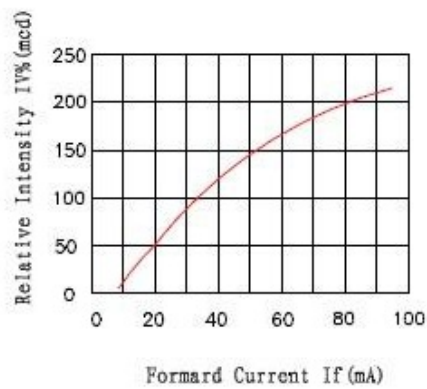
- This product is the appearance of red scattering, precision good optical design,the formation of a specific viewing angle with a uniform intensity distribution.

Product Dimensions

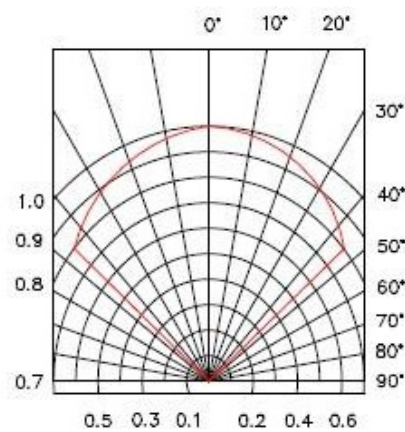
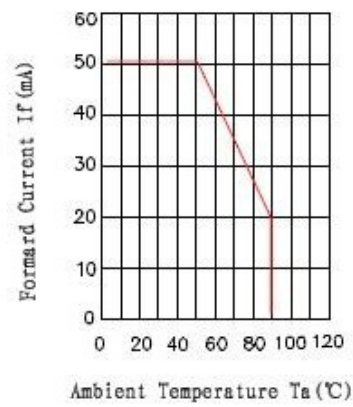
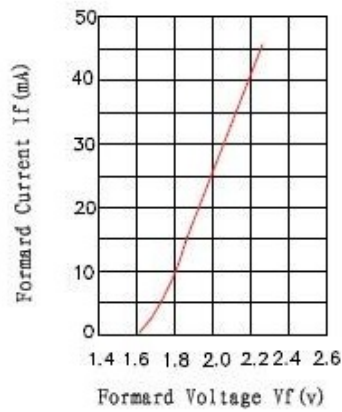


Note: Besides to the specified outside, all units in mm, a tolerance of $\pm 0.20\text{mm}$

Relative Intensity vs. Forward Current Relative Intensity vs. Ambient Temperature



Forward Current vs. Forward Voltage Forward Current vs. Ambient Temperature



Absolute Maximum Ratings

Item	Symbol	Value	Unit
Power Consumption	P _D	50	mW
DC current	I _F	30	mA
Pulse current*	I _{FP}	100	mA
Operating Temperature	T _{opr}	-25 ~ +80	°C
Storage Temperature	T _{stg}	-30 ~ +100	°C

*Pulse current not more than 10seconds

Characteristics of optoelectronic products

(I_F = 20mA ,T_a = 25 °C)

Part No.	Light Intensity (mcd)		Forward Voltage(V)		Wavelength (nm)		Reverse Leakage (μA)		
	Typ	Max	Typ	Max	Typ	Max	Max	V _R	
F53GD3SR	100	200	1.8	2.2	620	630	5	5	

Note:

- 1) Product photoelectric level of performance by the Company to decide, products optical and electrical properties of the different levels to different customers to decide based on one's own conditions of use.
- 2) Measurement of luminous intensity tolerance is ± 15%.
- 3) Voltage measurement tolerance of ± 0.05V.
- 4) Tolerance of measurement of the dominant wavelength is ± 1nm.
- 5) We have been continuous efforts to improve the performance of LED products, specifications are subject to change without notice.