

# Data Sheet

## 3 mm LED Series

### Description

- 100 pcs standard 3 mm LED are supplied in a storage box
- Easy to use and storage
- Widely applied to DIY projects, school science experiments, car decorations, etc.

### Features

- 3 mm round standard 30° directivity
- UV resistant epoxy
- Red color
- Color diffused

### Technical data

Absolute Maximum Rating (Ta=25 °C)

Item	Symbol	Value	Unit
		Red	
DC Forward Voltage	I <sub>F</sub>	30	mA
Pulse Forward Current#	I <sub>FP</sub>	100	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	72	mW
Operating Temperature	T <sub>opr</sub>	-30 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	°C
Lead Soldering Temperature	T <sub>sol</sub>	260 °C /5 sec	-

# Pulse width Max. 10 ms, Duty ratio max 1/10

### Electrical-Optical Characteristics (Ta=25 °C)

3 mm LED	Red
Light Color	Red
Lens Color	Red Diffused
Wavelength*1	620-640 nm
Luminous Intensity (typ.)*2	330 mcd
Forward Voltage*3	1.8-2.4 V
Forward Current	20 mA
Viewing Angle (typ.)	30°
Quantity (pcs)/Box	100

\*1 Tolerance of measurements of dominant wavelength is  $\pm 1$  nm

\*2 Tolerance of measurements of luminous intensity is  $\pm 15\%$

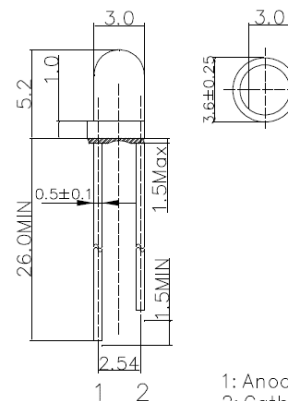
\*3 Tolerance of measurements of forward voltage is  $\pm 0.1$  V

### Product Picture

100 pcs/Box (Dimensions: 80 x 54 x 30 mm)



### Outline Dimensions



1: Anode  
2: Cathode  
Unit: mm  
Tolerance:  $\pm 0.20$ mm  
unless otherwise noted

### Directivity

