

Data Sheet

5 mm LED Series

Description

- 100 pcs standard 5 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

- 5 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_F	30	mA
Pulse Forward Current#	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	72	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	260 °C / 5 sec	-

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

Electrical-Optical Characteristics (Ta=25 °C)

5 mm LED	
Light Color	Red
Lens Color	Red Diffused
Wavelength*1	620-640 nm
Luminous Intensity (typ.)*2	420 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 ± 1 nm

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

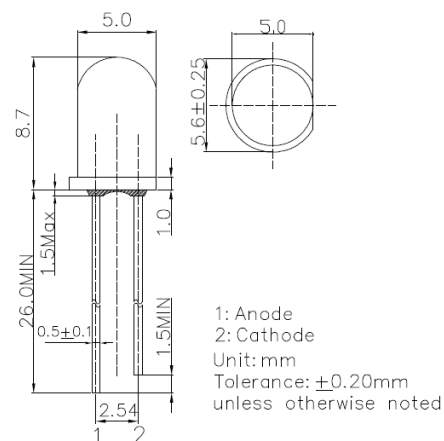
*3 Tolerance of measurements of forward voltage is ± 0.1 V

Product Picture

100 pcs/Box (Dimensions: 90 x 65 x 30 mm)



Outline Dimensions



Directivity

