

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
- Cool white color
- Water clear

Technical data

Absolute Maximum Rating (Ta=25 °C)

Item	Symbol	Value	Unit
		Cool White	
DC Forward Voltage	I_F	30	mA
Pulse Forward Current#	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	102	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)

3 mm LED	
Light Color	Cool White
Lens Color	Water Clear
Color temperature*1	8500-18000 K
Luminous Intensity (typ.)*2	14400 mcd
Forward Voltage*3	2.7-3.4 V
Forward Current	20 mA
Viewing Angle (typ.)	30°
Quantity (pcs)/Box	100

*1 Tolerance of measurements of color temperature is $\pm 10\%$

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

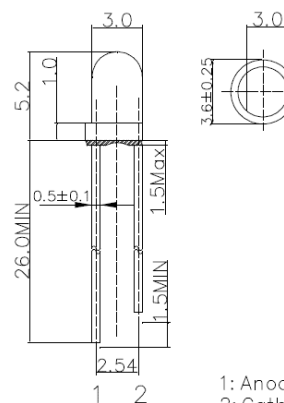
*3 Tolerance of measurements of forward voltage is ± 0.1 V

Product Picture

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



Outline Dimensions



1: Anode
 2: Cathode
 Unit: mm
 Tolerance: ± 0.20 mm
 unless otherwise noted

Directivity

