



■Description

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

■Features

- 3mm round standard 30° directivity
- UV resistant epoxy
- Cool white color
- Water Clear

■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
		Cool White	mA
DC Forward Current	I _F	30	mA
Pulse Forward Current#	I _{FP}	100	V
Reverse Voltage	V _R	5	mW
Power Dissipation	P _D	102	°C
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40~ +100	-
Lead Soldering Temperature	T _{sol}	260°C/5sec	Unit

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

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

3mm LED	
LED P/N	OSW53131A
Light Color	Cool White
Lens Color	Water Clear
Color Temperature*1	8500-18000K
Luminous Intensity(typ.)*2	14400mcd
Forward Voltage*3	2.7-3.4V
Forward Current	20mA
Viewing Angle(typ.)	30°
Quantity(pcs)/Box	100

*1 Tolerance of measurements of color temperature is ±10%

*2 Tolerance of measurements of luminous intensity is ±15%

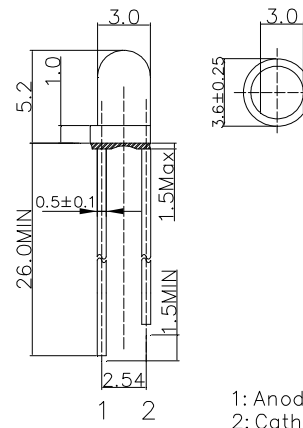
*3 Tolerance of measurements of forward voltage is ±0.1V

■Product Picture

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

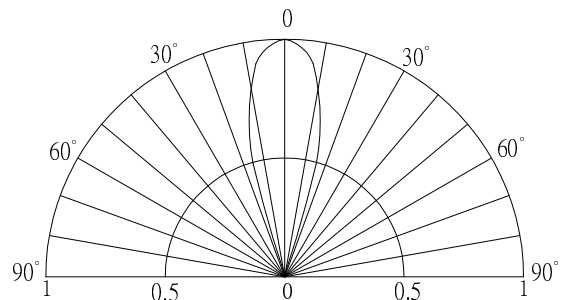


■Outline Dimension



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

■Directivity



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