

■Description

- This LED builds with internal resistor to operate with wide operation voltage of DC3-15V
- 50pcs are supplied in a storage box
- Easy to use and storage, user-friendly
- Widely applied to project design, Arduino/Pi Pico/Steam kit, TTL/Cmos compatible applications

■Product Picture

50pcs/Box (Dimensions: 67*49*23mm)



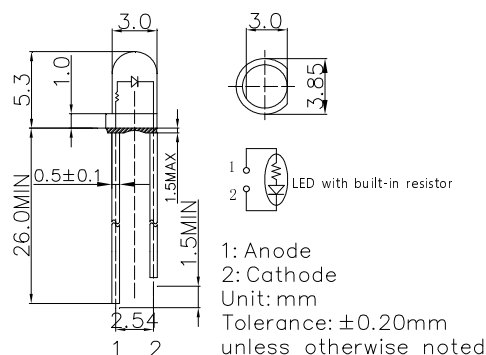
■Features

- Wide Input Voltage
- Cost Saving and Space Saving
- Water Clear
- Warm White Color

■Applications

- Toys/Game/Audio
- TTL/Cmos Compatible
- Arduino/Pi Pico/Steam Kit
- Other Electronics Products

■Outline Dimension

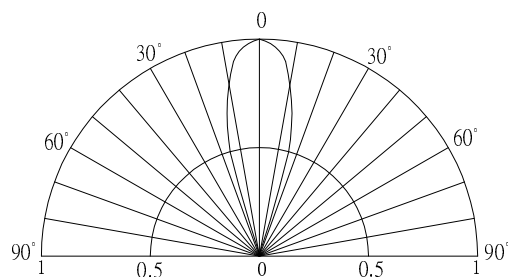


■Absolute Maximum Rating

(Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Voltage	V_F	15	V
Reverse Voltage	V_R	12	V
Power Dissipation	P_D	190	mW
Operating Temperature	T_{opr}	-30 ~ +85	℃
Storage Temperature	T_{stg}	-40 ~ +100	℃
Lead Soldering Temperature	T_{sol}	260℃/5sec	-

■Directivity



■Electrical -Optical Characteristics

(Ta=25℃)

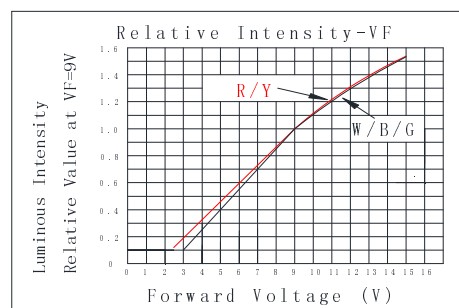
3mm Multi-Voltage LED	
LED P/N	OSM53131A-VV
Light Color	Warm White
Lens Color	Water Clear
Color Temperature*1	2700-3300K
Luminous Intensity(typ.)*2	4200mcd
Forward Voltage(typ.)	9V
Forward Current(typ.)*3	7.5mA
Viewing Angle(typ.)	30°
Quantity(pcs)/Box	50

*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 current $\pm 1\text{mA}$

■Optical Characteristic Curves



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