3mm Round Bi-Color Flashing Red & Yellow LED
1.8Hz 1/2 Duty Cycle

OSRYMS3131A

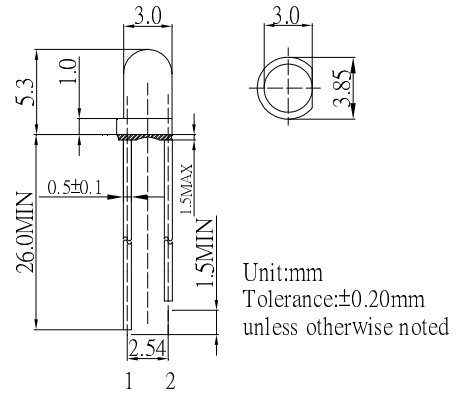## ■Features

- High Luminous LEDs
- 3mm Round Standard Directivity
- Flashing Type
- Water Clear Type

■Outline Dimension

Unit:mm
Tolerance:±0.20mm
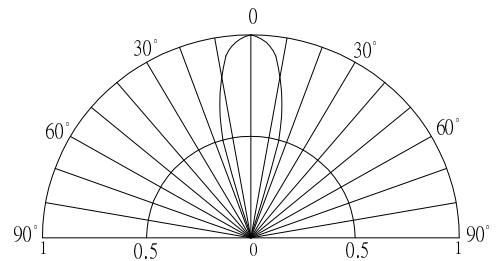unless otherwise noted

■Applications

- Toys
- Games
- Audio
- Other Lighting

■Absolute Maximum Rating   (Ta=25℃)

Item	Symbol	Value	Unit
Power Supply	Voltage	4.5	V
Operating Temperature	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-40~ +100	℃
Lead Soldering Temperature	Tsol	260℃/5sec	-

■Directivity

■Electrical -Optical Characteristics   (Ta=25℃)

Item	Symbol	Conditio	Min.	Typ.	Max	Unit
DC Forward Voltage	Vdd	I_F=20mA	3.0	3.3	4.5	V
Oscillator	Fled	I_F=20mA	-	1.8	-	Hz
Duty Cycle	Duty	I_F=20mA	-	1/2	-	-
Domi. Wavelength*	λ_D(Red)	I_F=20mA	620	625	630	nm
	λ_D(Yellow)	I_F=20mA	585	590	595	nm
Luminous Intensity*	Iv(Red)	I_F=20mA	5800	7000	-	mcd
	Iv(Yellow)	I_F=20mA	5800	7000	-	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	30	-	deg

*1 Tolerance of measurements of dominant wavelength is ±1nm
*2 Tolerance of measurements of luminous intensity is ±15%
*3 Tolerance of measurements of Frequency is ±20%
*4 Tolerance of measurements of forward voltage is ±0.1V

LED & Application Technologies

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