OptoSupply
Light It Up

5mm Color Changing Red & Blue & Green Concave LED

OST1MA5MC1B

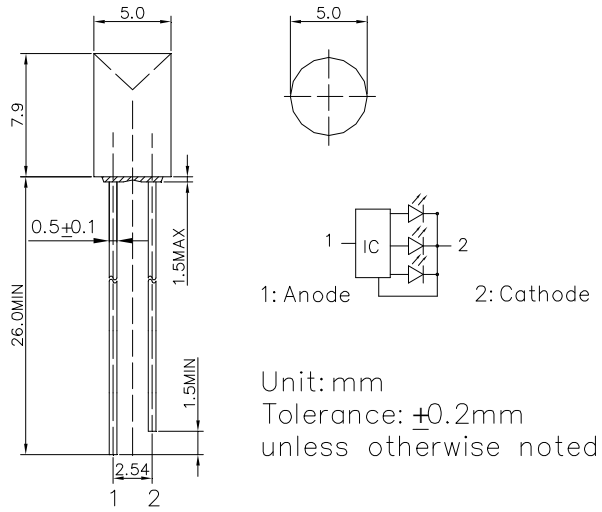
■Features

- High Luminous LEDs
- 5mm Concave Standard Directivity
- Full Color Changing Type
- Water Clear Type

■Applications

- Toys
- Games
- Audio
- Other Lighting

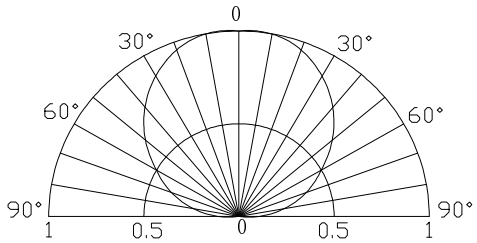
■Outline Dimension



■Absolute Maximum Rating (Ta=25℃)

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

■Directivity

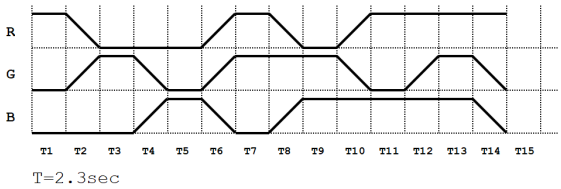


■Electrical -Optical Characteristics (Ta=25℃)

Item	Symbol	Conditio	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	Vdd	I_F=20mA	3.8	4.5	5.0	V
Oscillator Frequency*2	Fled	I_F=20mA	-	33	-	S
Duty Cycle	Duty	I_F=20mA	-	-	-	-
Domi. Wavelength*3	λ_D (Red)	I_F=20mA	620	625	630	nm
	λ_D (Blue)	I_F=20mA	465	470	475	nm
	λ_D	I_F=20mA	520	525	530	nm
Luminous Intensity*4	Iv(Red)	I_F=20mA	500	750	-	mcd
	Iv(Blue)	I_F=20mA	220	330	-	mcd
	Iv(Green)	I_F=20mA	750	1120	-	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	120	-	deg

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

■Waveform Diagram



*Tolerance of Blinking Cycle is ±20%

LED & Application Technologies

ISO 9001: 2008

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES