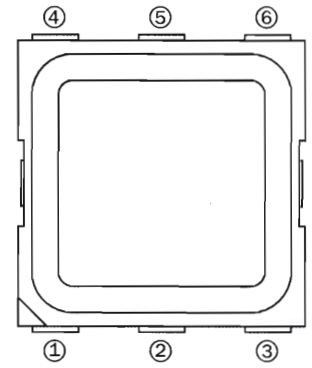
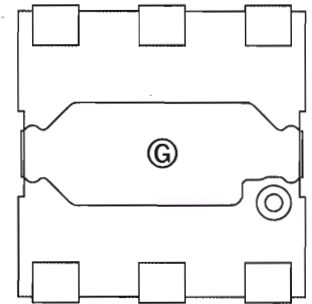


FEATURES

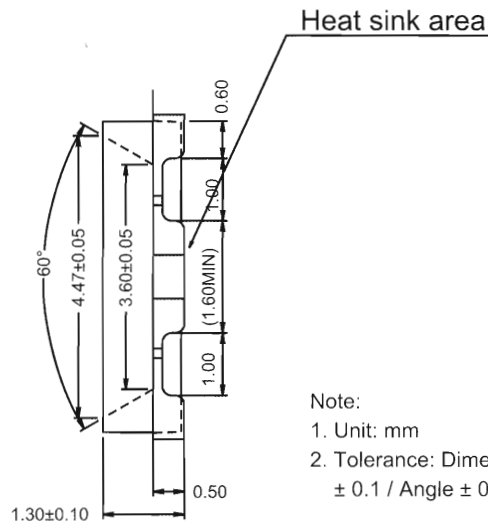
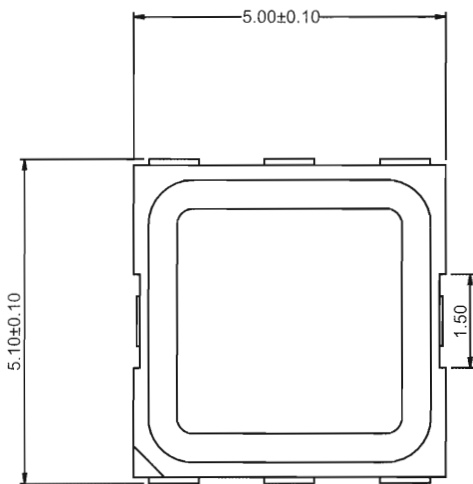
- Integrating LEDs and Driver IC into a small package
- Easy control by MCU
- Simplifying circuit design and PCB layout for designer
- Diffusing encapsulant to improve Candlepower distribution curve and Luminous Intensity(Patent pending)
- Wider viewing angle (120°)



Front View



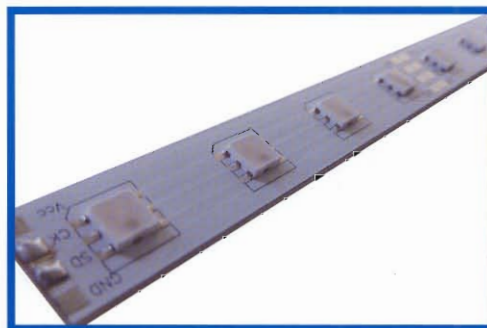
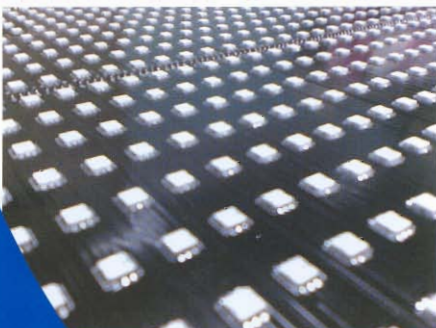
Back view



Note:
1. Unit: mm
2. Tolerance: Dimension ± 0.1 / Angle ± 0.5°

Pin No.	Function
①	Data In
②	Clock In
③	Vss
④	Data Out
⑤	Clock Out
⑥	VDD
ⓐ	N/A if floating GND & heat dissipation if soldered.

P/N No.	Dimension(mm)	Color	Luminous Intensity (mcd)	Wavelength (nm)	Forward Voltage(V)	View Angle
PB1XS301V050A	5.0 * 5.0 * 1.3	Red	480~550	620 - 625	4.5~7.0	120°
		Green	900~1200	523 - 528		
		Blue	200~440	465 - 475		



APPLICATIONS

- Automotive: indoor/outdoor lighting
- Channel Letter
- Decorative Lighting
- Light Bar
- LED Display