

DUST SENSOR



FEATURE

- It can detects dust particles in normal air at home, minimum 0.7 μ m sized particle.
- Very easy handling with compact size and light weight.
- It aspirates outside air by self-airflow-making inside.

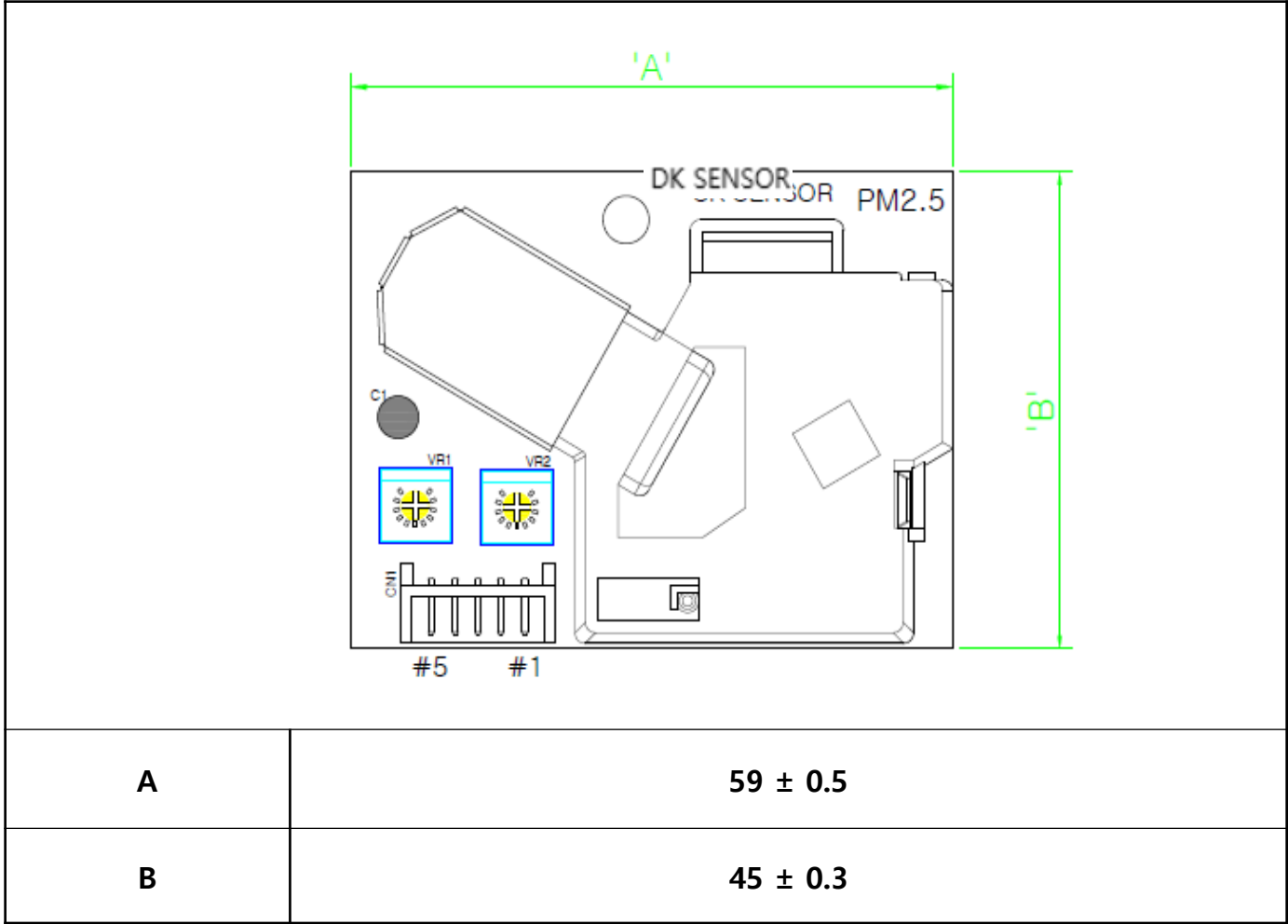
APPLICATIONS

Air Cleaner, Ventilator, Air-Conditioner, etc.

ELECTRICAL DATA

Operating voltage	DC 5V $\pm$ 10% (CN1: Pin1=GND, Pin3=+5V) Ripple 30mV or less
Current consumption	90mA
Power consumption	Signal circuit: 0.15W max. Heater circuit: 0.8W max.
Operating temperature and humidity	0~45°C, 95%rh or less (no condensation)
Detection particle size	Output P1 : approx. 1 μ m(minimun) Output P2 : approx. 0.7 μ m(minimun)
Detection concentration range	P1: 0~8,000pcs/0.01 CF=283mℓ in the range of 1 μ m or more P2: 0~4,000pcs/0.01 CF=283mℓ in the range of 0.7 μ m or more
Output method	Negative logic, Digital output Lo time ratio % (recommended unit time 30 sec) Hi : over 4.0V, Lo : under 0.7V (As Input impedance : 200kΩ) OP amp output, Pull-up resister :10kΩ

■ DIMENSION



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