

Air cleaner - Summary

Summary:

- ❑ 가정용 공기청정기
- ❑ 극초미세 먼지 필터 : 0.3um NaCl 입자 99%
- ❑ 필터 수명 자동 체크 기능
- ❑ 취침 모드
- ❑ On/Off 예약

Part :

- ❑ **PIC16F877A (MCU)**
 - ❑ 2 PWM 10-bit 256 Bytes EEPROM data memory ICD 25mA sink/source per I/O Self Programming Parallel Slave Port
- ❑ **MCP16301 (LDO)**
 - ❑ Up to 96% Typical Efficiency
 - ❑ Input Voltage Range: 4 to 30
 - ❑ Output Voltage Range: 2.0V to 15V
 - ❑ 2% Output Voltage Accuracy
 - ❑ Integrated N-Channel Buck Switch
 - ❑ 600 mA Output Current
- ❑ **MCP8026 (Motor Driver)**
 - ❑ Three-Phase Brushless DC Motor Gate Driver with Power Module, Level Shifter, Operational Amplifier
 - ❑ Motor Control Methods : Direct PWM Input
 - ❑ Motor Phase Current Monitoring and Position Detection
- ❑ **ATTINY817-MFR (MCU)**
 - ❑ QTouch® peripheral touch controller
 - ❑ AVR® processor with hardware multiplier
 - ❑ up to 20MHz and with 8KB Flash512B SRAM and 128 bytes of EEPROM

Air cleaner - Block Diagram

