

BRUSHLESS DC FANS

F251R

FEATURES

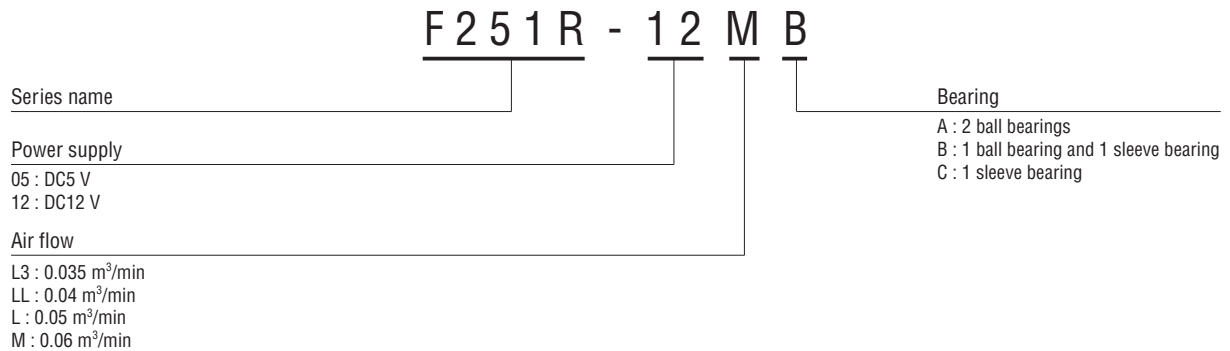
- Low noise, 9 dB (A) type by the correct application of hydrodynamic design of impeller and frame
- Light weight (approx. 7 g)

STRUCTURE

- Frame and impeller
ABS/PBT alloy
- Bearing
 - A type : 2 ball bearings
 - B type : 1 ball bearing and 1 sleeve bearing
 - C type : 1 sleeve bearing



PART NUMBER DESIGNATION



LIST OF PART NUMBERS

| Power supply | Part number | Power supply | Part number |
|--------------|-------------|--------------|-------------|
| DC5 V | F251R-05LA | DC12 V | F251R-12MB |
| | F251R-05LB | | F251R-12LA |
| | F251R-05LLA | | F251R-12LB |
| | F251R-05LLB | | F251R-12LLA |
| | F251R-05LLC | | F251R-12LLB |
| | F251R-05L3B | | F251R-12LLC |
| | | | F251R-12L3B |

※ : Verify the above part numbers when placing orders.

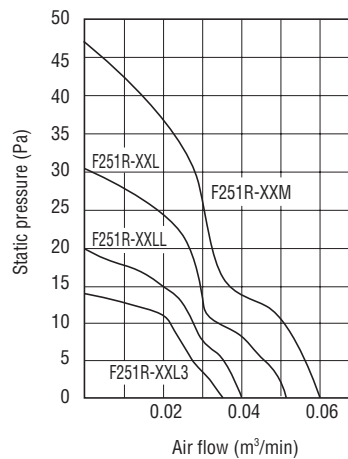
F251R BRUSHLESS DC FANS

STANDARD SPECIFICATIONS

| Item | F251R-05LA -05LB | F251R-05LLA -05LLB -05LLC | F251R-05L3B -05L3C | F251R-12MB | F251R-12LA -12LB | F251R-12LLA -12LLB -12LLC | F251R-12L3B -12L3C |
|-----------------|--------------------------|---------------------------------|---------------------------|--------------------------|--------------------------|---------------------------------|---------------------------|
| Rated voltage | DC5 V | | | DC12 V | | | |
| Voltage range | 4.2 ~ 5.7 V | | | 10.2 ~ 13.8 V | | | |
| Rated current | 0.06 A | 0.05 A | 0.04 A | 0.05 A | 0.04 A | 0.03 A | 0.02 A |
| Rotating speed | 8000 min ⁻¹ | 6500 min ⁻¹ | 5500 min ⁻¹ | 10000 min ⁻¹ | 8000 min ⁻¹ | 6500 min ⁻¹ | 5500 min ⁻¹ |
| Air flow | 0.05 m ³ /min | 0.04 m ³ /min | 0.035 m ³ /min | 0.06 m ³ /min | 0.05 m ³ /min | 0.04 m ³ /min | 0.035 m ³ /min |
| Static pressure | 30 Pa | 20 Pa | 14 Pa | 47 Pa | 30 Pa | 20 Pa | 14 Pa |
| Noise | 15 dB (A) | 11 dB (A) | 9 dB (A) | 20 dB (A) | 15 dB (A) | 11 dB (A) | 9 dB (A) |
| Net weight | Approx. 7 g | | | | | | |

* : Figures in the table are typical values under rated operating condition.

AIR FLOW PERFORMANCE CURVES



OUTLINE DIMENSIONS

(Unit: mm)

