

BRUSHLESS DC FANS

F310RF

FEATURES

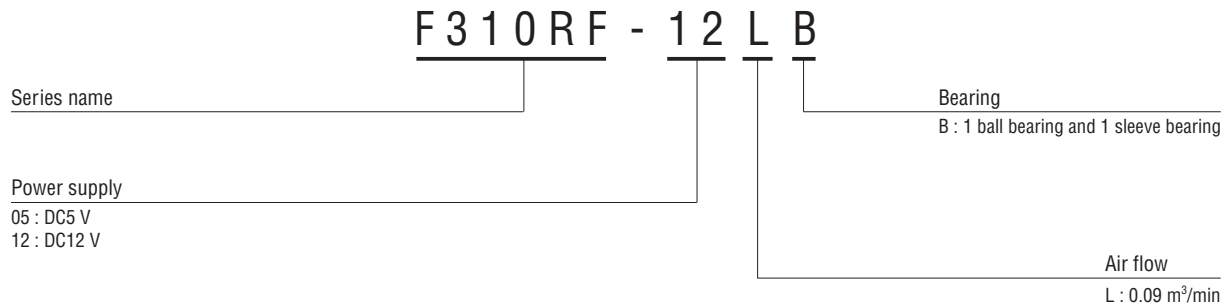
- Low noise, 17 dB (A)
- Light weight (approx. 8 g)

STRUCTURE

- Frame and impeller
Modified PPO resin and ABS/PBT alloy
- Bearing
1 ball bearing and 1 sleeve bearing



PART NUMBER DESIGNATION



LIST OF PART NUMBERS

| Power supply | Part number |
|--------------|-------------|
| DC5 V | F310RF-05LB |
| DC12 V | F310RF-12LB |

* : Verify the above part numbers when placing orders.

F310RF

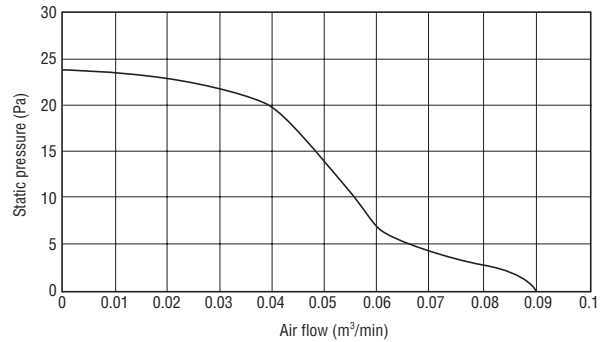
BRUSHLESS DC FANS

STANDARD SPECIFICATIONS

| Item | F310RF-05LB | F310RF-12LB |
|-----------------|--------------------------|---------------|
| Rated voltage | DC5 V | DC12 V |
| Voltage range | 4.5 ~ 5.7 V | 10.2 ~ 13.8 V |
| Rated current | 0.07 A | 0.04 A |
| Rotating speed | 7000 min ⁻¹ | |
| Air flow | 0.09 m ³ /min | |
| Static pressure | 23 Pa | |
| Noise | 17 dB (A) | |
| Net weight | Approx. 8 g | |

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

AIR FLOW PERFORMANCE CURVES

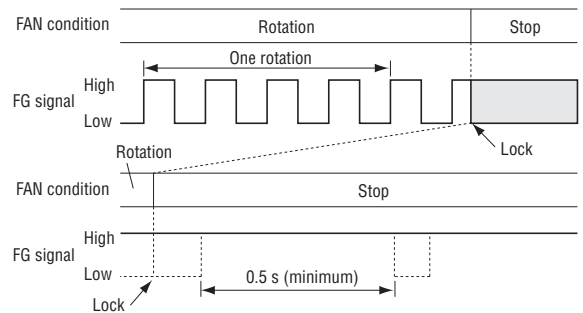


FG SIGNAL CHARACTERISTICS

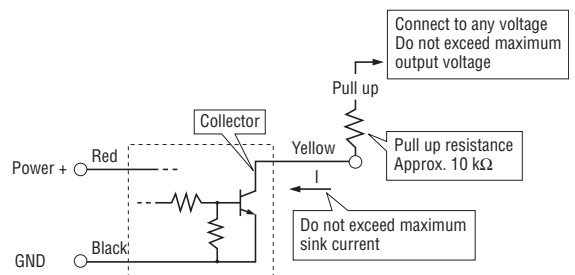
| Item | Specification |
|------------------------------------|---|
| Output circuit | Open collector |
| Maximum output voltage | 15 V |
| Maximum sink current | 5 mA |
| Output saturation voltage (at Low) | Vsat : Maximum 0.4 V |
| Output (rotate) | 4 pulses / rotation |
| Output (lock) | High or High/Low intermittent motion * |
| Time a High Signal (lock) | 0.5 s minimum |

* : 2 conditions are possible according to the stop position of the impeller.
 ① "High" (Fixed) : Constantly "High"
 ② "High/Low" intermittent motion : "High" and "Low" switch at regular time intervals.
 It is guaranteed that "high" continues over 0.5 seconds.

FAN condition and FG signal



Output circuitry



OUTLINE DIMENSIONS

(Unit: mm)

