

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)

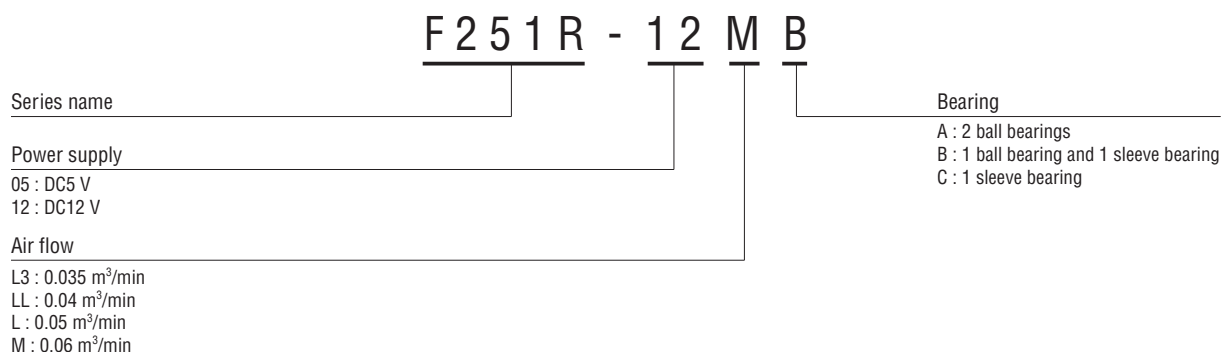
■ STRUCTURE

- 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

RoHS compliant



■ 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

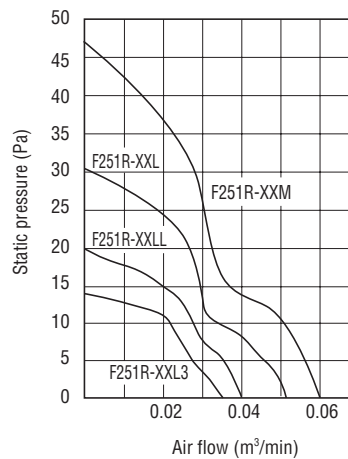
BRUSHLESS DC FANS

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)

