



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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BRUSHLESS DC FANS

F412R

FEATURES

- Low noise 16 dB (A)
- Light weight (approx. 20 g)

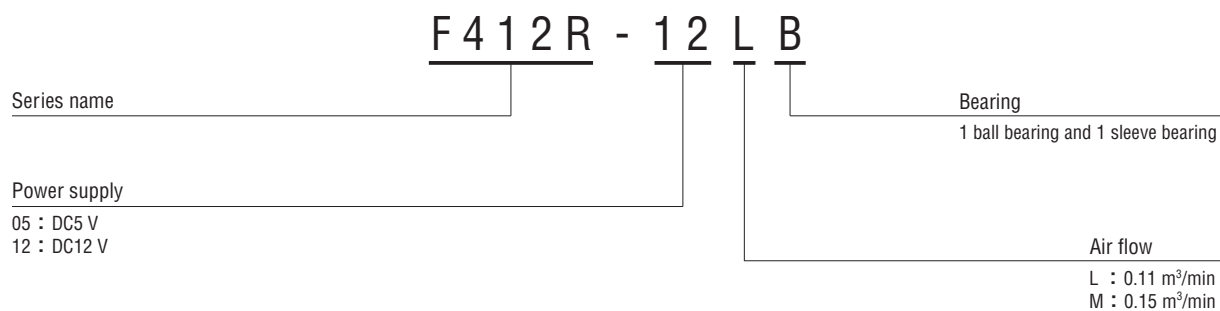
STRUCTURE

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

RoHS compliant



PART NUMBER DESIGNATION



LIST OF PART NUMBERS

Bearing	Power supply	Part number
B	DC5 V	F412R-05LB
	DC12 V	F412R-12LB
	DC5 V	F412R-05MB
	DC12 V	F412R-12MB

※ Verify the above part numbers when placing orders.

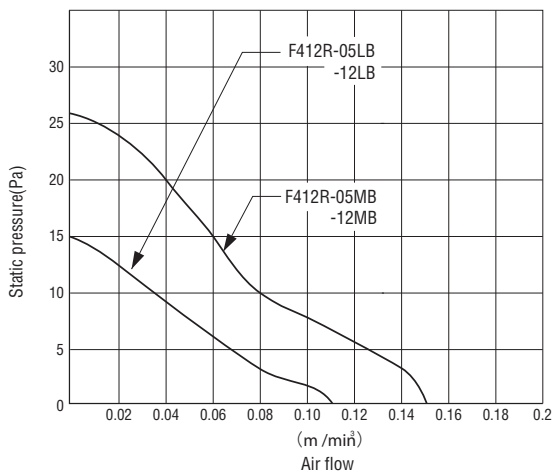
F412R

BRUSHLESS DC FANS

STANDARD SPECIFICATIONS

Item	F412R-05LB	F412R-05MB	F412R-12LB	F412R-12MB
Rated voltage	DC5 V		DC12 V	
Voltage range	4.5 ~ 5.7 V	4.2 ~ 5.7 V	10.2 ~ 13.8 V	10.2 ~ 13.8 V
Rated current	0.08 A	0.10 A	0.04 A	0.06 A
Rotating speed	4200 min ⁻¹	5400 min ⁻¹	4200 min ⁻¹	5400 min ⁻¹
Air flow	0.11 m ³ /min	0.15 m ³ /min	0.11 m ³ /min	0.15 m ³ /min
Static pressure	15 Pa	26 Pa	15 Pa	26 Pa
Noise	16 dB (A)	23 dB (A)	16 dB (A)	23 dB (A)
Use environment	-10 ~ +60 °C (35 ~ 85 %RH)			
Storage environment	-20 ~ +70 °C (35 ~ 85 %RH)			
Net weight	Approx. 20 g			

AIR FLOW PERFORMANCE CURVES



※The specifications above are typical values measured on the conditions of no-loading running with rated voltage in the circumstances of 25 °C ± 2 °C, 35~ 85 %RH. Please contact us if you would liketo check the specifications in different circumstances.

OUTLINE DIMENSIONS

(Unit: mm)

