

## BRUSHLESS DC FANS

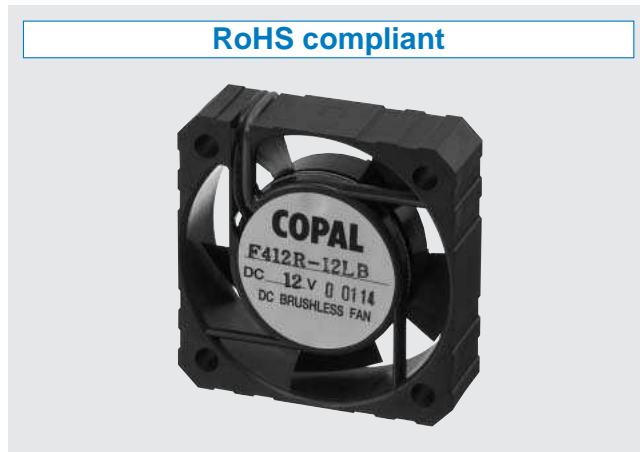
# F412R

### FEATURES

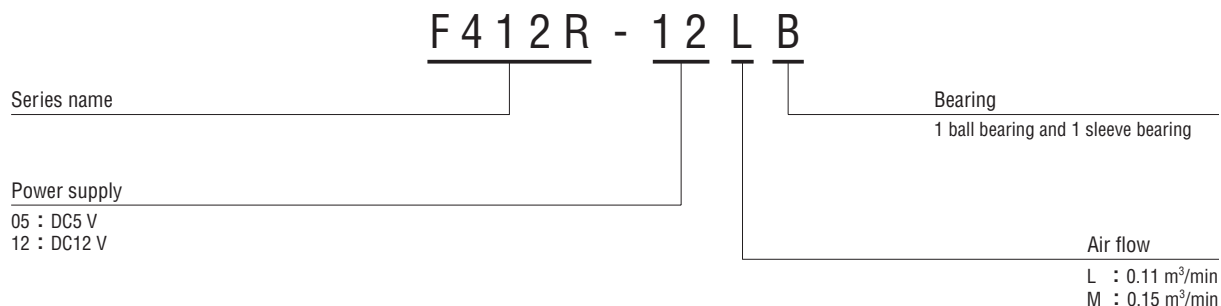
- Low noise 14 dB (A)
- Light weight (approx. 20 g)

### STRUCTURE

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



### PART NUMBER DESIGNATION



### LIST OF PART NUMBERS

Static pressure [Pa]	Noise [dB (A)]	Bearing	Power supply	Part number
14.7	16	B	DC5 V	F412R-05LB
			DC12 V	F412R-12LB
25.5	23		DC5 V	F412R-05MB
			DC12 V	F412R-12MB

※ Verify the above part numbers when placing orders.

# F412R

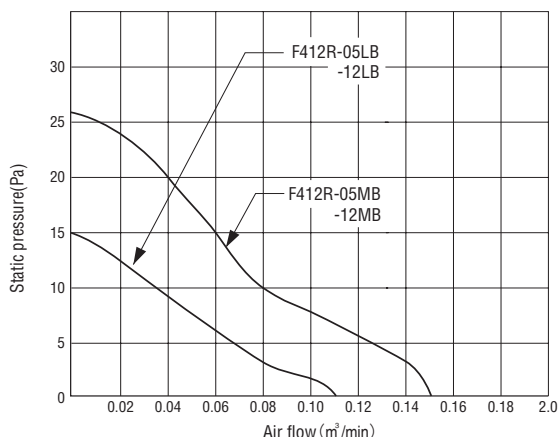
## BRUSHLESS DC FANS

### 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 <sup>-1</sup>	5400 min <sup>-1</sup>	4200 min <sup>-1</sup>	5400 min <sup>-1</sup>
Air flow	0.11 m <sup>3</sup> /min	0.15 m <sup>3</sup> /min	0.11 m <sup>3</sup> /min	0.15 m <sup>3</sup> /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			

※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 like to check the specifications in different circumstances.

### AIR FLOW PERFORMANCE CURVES



### OUTLINE DIMENSIONS

(Unit: mm)

