



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# BRUSHLESS DC FANS

# F251R

## FEATURES

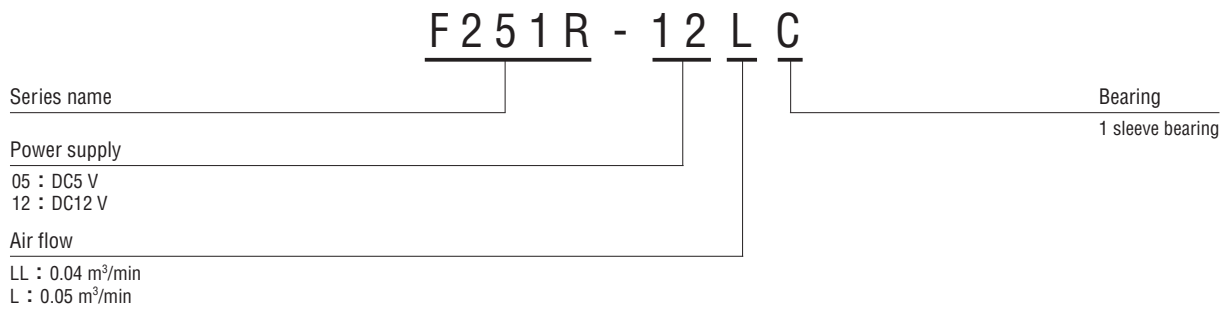
- Low noise, 11 dB (A) type by the correct application of hydrodynamic design of impeller and frame
- Light weight (approx. 7 g)

## STRUCTURE

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



## PART NUMBER DESIGNATION



## LIST OF PART NUMBERS

Power supply	Part number	Power supply	Part number
DC5 V	F251R-05LLC	DC12 V	F251R-12LLC
	F251R-05LC		F251R-12LC

※ Verify the above part numbers when placing orders.

# F251R

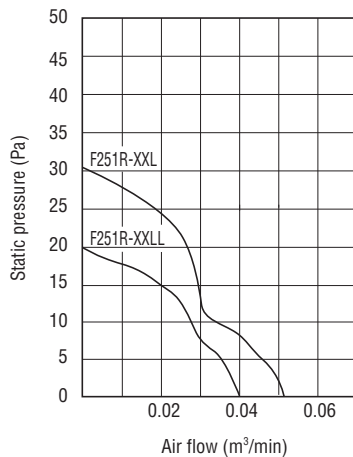
## BRUSHLESS DC FANS

### STANDARD SPECIFICATIONS

Item	F251R-05LC	F251R-05LLC	F251R-12LC	F251R-12LLC
Rated voltage	DC5 V		DC12 V	
Voltage range	4.2 ~ 5.7 V		10.2 ~ 13.8 V	
Rated current	0.08 A	0.06 A	0.05 A	0.04 A
Rotating speed	8000 min <sup>-1</sup>	6500 min <sup>-1</sup>	8000 min <sup>-1</sup>	6500 min <sup>-1</sup>
Air flow	0.05 m <sup>3</sup> /min	0.04 m <sup>3</sup> /min	0.05 m <sup>3</sup> /min	0.04 m <sup>3</sup> /min
Static pressure	30 Pa	20 Pa	30 Pa	20 Pa
Noise	15 dB (A)	11 dB (A)	15 dB (A)	11 dB (A)
Use environment	-10 ~ +60 °C (35 ~ 85 %RH)			
Storage environment	-20 ~ +70 °C (35 ~ 85 %RH)			
Net weight	Approx. 7 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 liketo check the specifications in different circumstances.

### AIR FLOW PERFORMANCE CURVES



### OUTLINE DIMENSIONS

(Unit: mm)

