

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!



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BRUSHLESS DC FANS

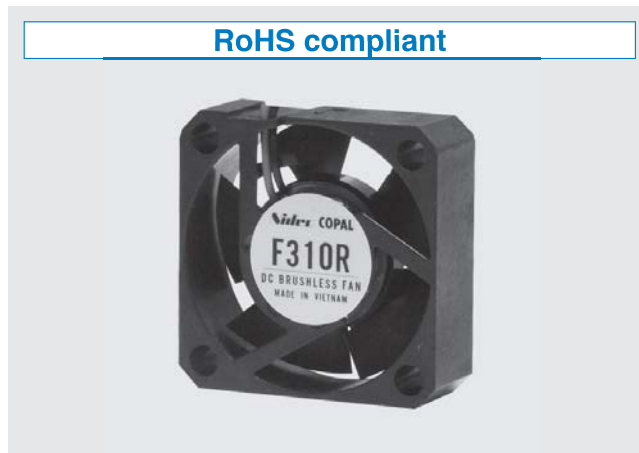
F310R

FEATURES

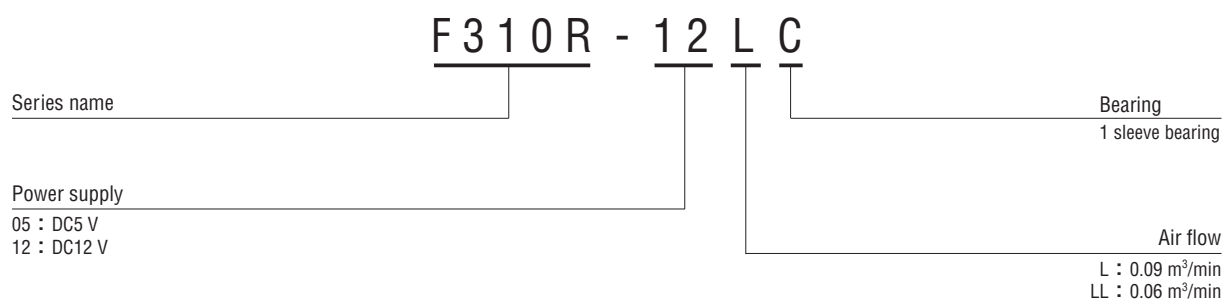
- Low noise, 13 dB (A)
- Light weight (approx. 8 g)

STRUCTURE

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



PART NUMBER DESIGNATION



LIST OF PART NUMBERS

Power supply	1 sleeve bearing	
	Air flow 0.09 m ³ /min	Air flow 0.06 m ³ /min
DC5 V	F310R-05LC	F310R-05LLC
DC12 V	F310R-12LC	F310R-12LLC

※ Verify the above part numbers when placing orders.

F310R

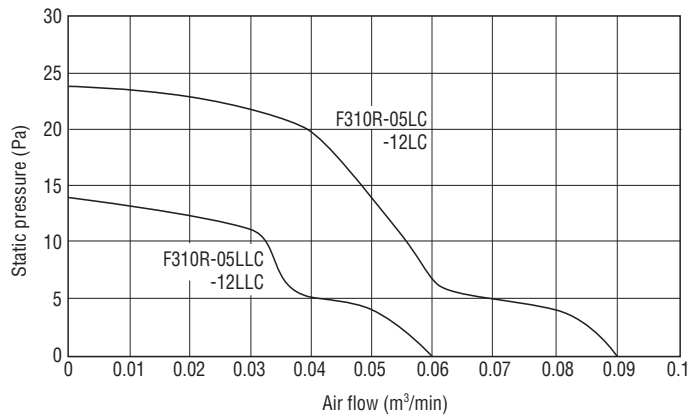
BRUSHLESS DC FANS

STANDARD SPECIFICATIONS

Item	F310R-05LLC	F310R-05LC	F310R-12LLC	F310R-12LC
Rated voltage	DC5 V		DC12 V	
Voltage range	4.5 ~ 5.7 V		10.2 ~ 13.8 V	
Rated current	0.06 A	0.09 A	0.04 A	0.05 A
Rotating speed	5500 min ⁻¹	7000 min ⁻¹	5500 min ⁻¹	7000 min ⁻¹
Air flow	0.06 m ³ /min	0.09 m ³ /min	0.06 m ³ /min	0.09 m ³ /min
Static pressure	14 Pa	23 Pa	14 Pa	23 Pa
Noise	13 dB (A)	17 dB (A)	13 dB (A)	17 dB (A)
Use environment	-10 ~ +60 °C (35 ~ 85 %RH)			
Storage environment	-20 ~ +70 °C (35 ~ 85 %RH)			
Net weight	Approx. 8 g			

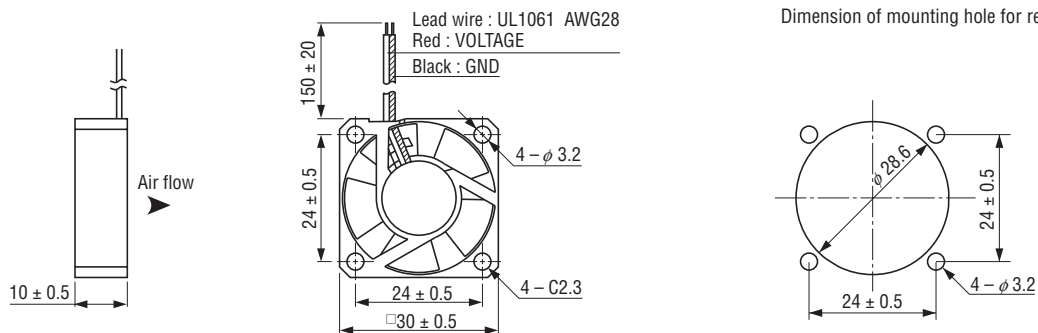
※ The specifications above are typical values measured on the conditions of no-loading running with rated voltage in the circumstances of 25 °C ± 2 °C, 35~ 85 %RH. Please contact us if you would liketo check the specifications in different circumstances.

AIR FLOW PERFORMANCE CURVES



OUTLINE DIMENSIONS

(Unit: mm)



Dimension of mounting hole for recommendation

