



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 SIDE FLOW FAN MOTORS

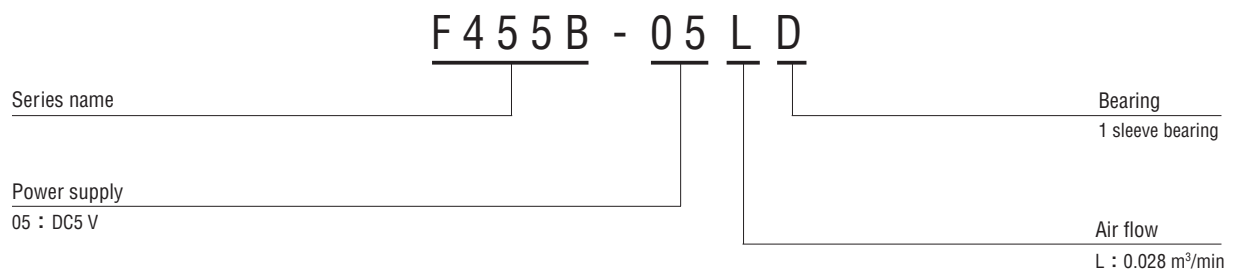
F455B

FEATURES

- Ultra-slim model, that is ideal for imaging terminals/mobile PCs
- Realization of high air flow and low noise by adoption of hydro dynamic design of impeller
- Longer operating life and low-noise by sealed bearing structure



PART NUMBER DESIGNATION



LIST OF PART NUMBERS

Power supply	Air flow
	0.028 m ³ /min
DC5 V	F455B-05LD

※ Verify the above part numbers when placing orders.

F455B

BRUSHLESS DC SIDE FLOW FAN MOTORS

STANDARD SPECIFICATIONS

Part number	F455B-05LD
Rated voltage	5 V
Voltage range	4.7 ~ 5.5 V
Rated current	0.1 A
Rotating speed	4,500 min ⁻¹
Air flow	0.028 m ³ /min
Static pressure	44 Pa
Noise	20 dB(A)
Use environment	-10 ~ 60 °C (35 ~ 85 %RH)
Storage environment	-20 ~ 70 °C (35 ~ 85 %RH)
Net weight	25 g

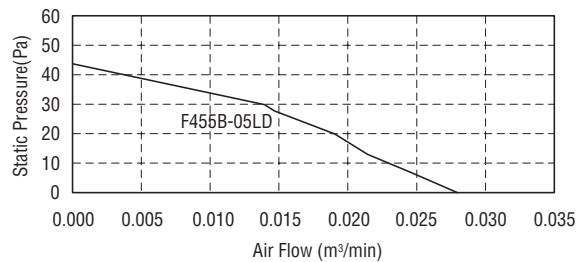
※The specifications above are typical values measured on the conditions of no-loading running with rated voltage in the circumstances of 25 °C ± 2 °C, 35~ 85 %RH. Please contact us if you would liketo check the specifications in different circumstances.

OTHER SPECIFICATION

Insulation class	JIS C 4004 type (120 °C)
Insulation resistance	Minimum 10 M ohm at DC 500 V between frame and terminals (+)
Dielectric strength	Maximum 1 mA of leakage under 600 V AC for 1 s between frame and terminal (±)
Withstand restraint	After 50 hours restraining at rated voltage, no burnout and no mechanical damage
Allowable load	0.2 N maximum on metal frame or impeller
Average life (Definition)	Over 10,000 hours (at room temperature and room humidity) Till the point of dropping down 30 % from the initial number of rotations (Under designated environment, after no load continuous running at rated voltage)
Structure	Cover : SUS304 Housing : Zinc die casting Impeller : ABS/PBT alloy Bearing : Sleeve bearing

※Please install a fan motor in your product with its impeller up. Copal will not guarantee its performance if you install it in a different direction such as down or side.

AIR FLOW PERFORMANCE CURVES



OUTLINE DIMENSIONS

(Unit: mm)

