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

RoHS compliant

PART NUMBER DESIGNATION

F 4 5 5 B - 0 5 L D

- Series name
- Power supply
  05 : DC5 V
- Air flow
  L : 0.028 m³/min
- Bearing
  1 sleeve bearing

LIST OF PART NUMBERS

Power supply	Air flow
	0.028 m³/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

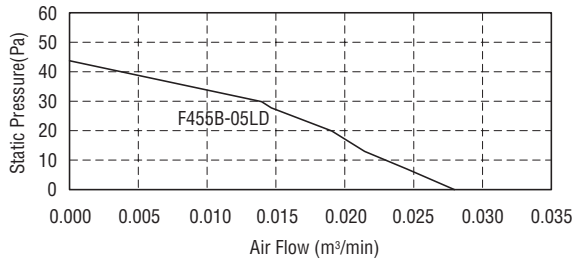
※The specifications above are typical values measured on the conditions of no-loading running with rated voltage in the circumstances of 25 °C ± 2 °C, 35~ 85 %RH. Please contact us if you would liketo check the specifications in different circumstances.

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	Over 10,000 hours (at room temperature and room humidity)
(Definition)	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)