

JF5010 — 50 × 50 × 10.5 mm DC Axial Fan

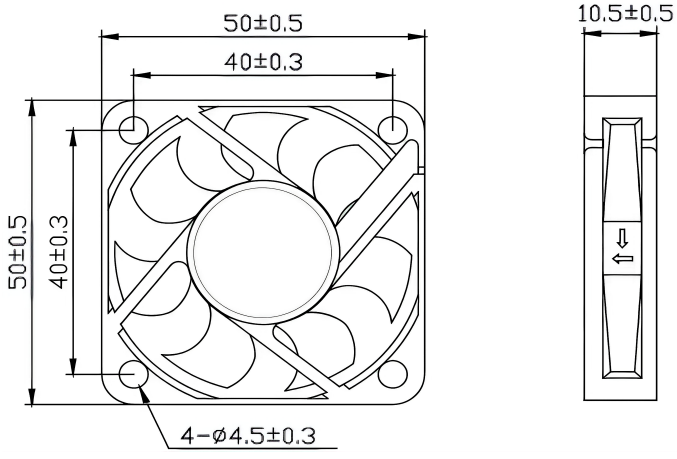
Standard 50 mm fan for routers, set-top boxes, game consoles, LED lighting and small enclosures

General Specifications

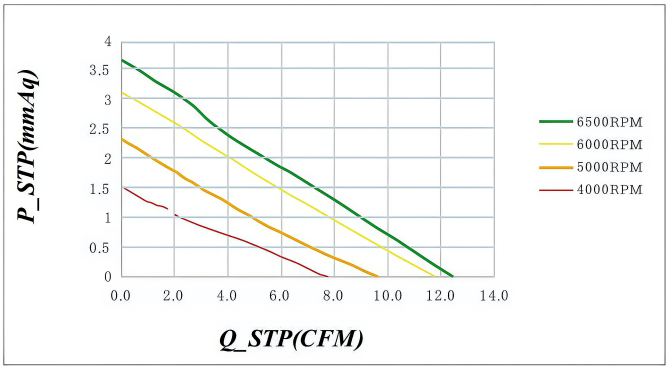
- **Series size:** 50 × 50 × 10.5 mm
- **Frame / impeller:** Flame-retardant PBT, UL 94V-0
- **Bearing system:** Ball or sleeve bearing
- **Mounting holes:** 4×Ø4.5 ±0.3 mm
- **Rated voltages:** 5 / 12 / 24 VDC
- **Speed options:** 4,000 / 5,000 / 6,000 / 6,500 RPM
- **Max airflow:** 14.13 CFM | **Max pressure:** 5.09 mmH_2O
- **Functions:** Motor protection, FG/RD/PWM optional

Performance Data

Model	Rated Voltage	Operating Voltage	Rated Current	Input Power	Speed	Max. Airflow	Max. Static Pressure	Noise
JF5010-05L	5 VDC	3.6–6.8 VDC	0.08 A	0.40 W	4,000 RPM	0.22 m³/min (7.74 CFM)	2.54 mmH_2O (0.100 inH_2O)	25.0 dB(A)
JF5010-12L	12 VDC	7.0–13.5 VDC	0.03 A	0.36 W	4,000 RPM	0.22 m³/min (7.74 CFM)	2.54 mmH_2O (0.100 inH_2O)	25.0 dB(A)
JF5010-05M	5 VDC	3.6–6.8 VDC	0.12 A	0.60 W	5,000 RPM	0.27 m³/min (9.66 CFM)	3.20 mmH_2O (0.126 inH_2O)	30.0 dB(A)
JF5010-12M	12 VDC	7.0–13.5 VDC	0.05 A	0.60 W	5,000 RPM	0.27 m³/min (9.66 CFM)	3.20 mmH_2O (0.126 inH_2O)	30.0 dB(A)
JF5010-05H	5 VDC	3.6–6.8 VDC	0.15 A	0.75 W	6,000 RPM	0.33 m³/min (11.79 CFM)	4.32 mmH_2O (0.170 inH_2O)	33.2 dB(A)
JF5010-12H	12 VDC	7.0–13.5 VDC	0.06 A	0.72 W	6,000 RPM	0.33 m³/min (11.79 CFM)	4.32 mmH_2O (0.170 inH_2O)	33.2 dB(A)
JF5010-24H	24 VDC	18–26.5 VDC	0.03 A	0.72 W	6,000 RPM	0.33 m³/min (11.79 CFM)	4.32 mmH_2O (0.170 inH_2O)	33.2 dB(A)
JF5010-12HH	12 VDC	7.0–13.5 VDC	0.08 A	0.96 W	6,500 RPM	0.35 m³/min (14.13 CFM)	5.09 mmH_2O (0.200 inH_2O)	36.5 dB(A)
JF5010-24HH	24 VDC	18–26.5 VDC	0.04 A	0.96 W	6,500 RPM	0.35 m³/min (14.13 CFM)	5.09 mmH_2O (0.200 inH_2O)	36.5 dB(A)



Mechanical Dimensions (mm)



Airflow — Static Pressure Curve

Specifications subject to change without notice