

Print page



·DC· SD5010PT



**50x50x10mm / 1.9x0.4inch**  
**17~5 CFM**

Plastic Impeller

Model No	Rated Volt VDC	Voltage Range VDC	Input Power Watt	Rated Current Amp	Ref. Speed RPM	Max.Airflow CFM	m3/min	Max.Static Pressure Inch/H2O	mm	Noise Level db(A)	PQ Curves	UL
SD5010PT-05SH	5	4.5~5.5	1.5	0.3	7000	14	0.4	0.2	5.08	36	5	✓
SD5010PT-05HHH (SH)	5	4.5~5.5	1.05	0.21	6500	13	0.4	0.18	4.57	35	6	✓
SD5010PT-05HHH	5	4.5~5.5	1.05	0.21	6000	12	0.3	0.16	4.06	33	7	✓
SD5010PT-05HH	5	4.5~5.5	0.95	0.19	5000	10	0.3	0.12	3.05	27	9	✓
SD5010PT-05H	5	4.5~5.5	0.8	0.16	4500	9	0.3	0.09	2.29	25	10	✓
SD5010PT-05M	5	4.5~5.5	0.75	0.15	4000	8	0.2	0.08	2.03	23	11	✓
SD5010PT-05L	5	4.5~5.5	0.65	0.13	3500	7	0.2	0.05	1.27	18	12	✓
SD5010PT-05LL	5	4.5~5.5	0.5	0.1	3000	6	0.2	0.04	1.02	15	13	✓
SD5010PT-05LLL	5	4.5~5.5	0.4	0.08	2500	5	0.1	0.03	0.76	13	14	✓
SD5010PT-12EHH	12	7~13.2	1.8	0.15	8500	17	0.5	0.24	6.1	44	2	✓
SD5010PT-12EH	12	7~13.2	1.68	0.14	8000	16	0.5	0.23	5.84	41	3	✓
SD5010PT-12SHH	12	7~13.2	1.44	0.12	7500	15	0.4	0.22	5.59	38	4	✓
SD5010PT-12SH	12	7~13.2	1.2	0.1	7000	14	0.4	0.2	5.08	36	5	✓
SD5010PT-12HHH	12	7~13.2	1.08	0.09	6000	12	0.3	0.16	4.06	33	7	✓
SD5010PT-12HH	12	7~13.2	0.84	0.07	5000	10	0.3	0.12	3.05	27	9	✓
SD5010PT-12H	12	7~13.2	0.6	0.05	4500	9	0.3	0.09	2.29	25	10	✓
SD5010PT-12M	12	7~13.2	0.48	0.04	4000	8	0.2	0.08	2.03	23	11	✓
SD5010PT-24SHH	24	14~26.4	3.6	0.15	9000	18	0.5	0.26	6.6	46	1	✓
SD5010PT-24SH	24	14~26.4	2.4	0.1	7200	15	0.4	0.22	5.59	37	4	✓
SD5010PT-24HHH	24	14~26.4	1.92	0.08	6500	13	0.4	0.18	4.57	35	6	✓
SD5010PT-24HH	24	14~26.4	1.68	0.07	5500	11	0.3	0.142	3.61	30	8	✓
SD5010PT-24H	24	14~26.4	1.44	0.06	4500	9	0.3	0.09	2.29	25	10	✓
SD5010PT-24M	24	14~26.4	1.2	0.05	3500	7	0.2	0.05	1.27	18	12	✓
SD5010PT-24L	24	14~26.4	0.96	0.04	3000	6	0.2	0.03	0.76	13	13	✓

- \*\* = "WB" for wire lead type Ball bearing, or "TB" for terminal type Ball bearing
- Sinwan reserves the right to change data and improve electrical & mechanical design without notice, data tolerance +-10%

**Motor**

Motor Type:	DC Motor
Burnout Protection:	Electronically protected, polarity protected
IP Protection:	IP55, IP67 (Optional)

**Mechanical**

Frame:	Glass fiber reinforced thermoplastic, rated UL94V-0
Impeller:	7 blades, glass fiber reinforced thermoplastic, rated UL94V-0
Bearing:	Two ball bearings
Rotation:	CCW seen on rotor
Connection:	Wire lead or terminal flat pin connecting

Weight: 32g

**Electrical**

Dielectric Strength: 500 VAC/min. Max leakage 0.5mA

Speed Control: Optional: PWM, S/C NTC thermister

Signal Output: Optional: RD Rotation Detactor, FG Frequency Generator

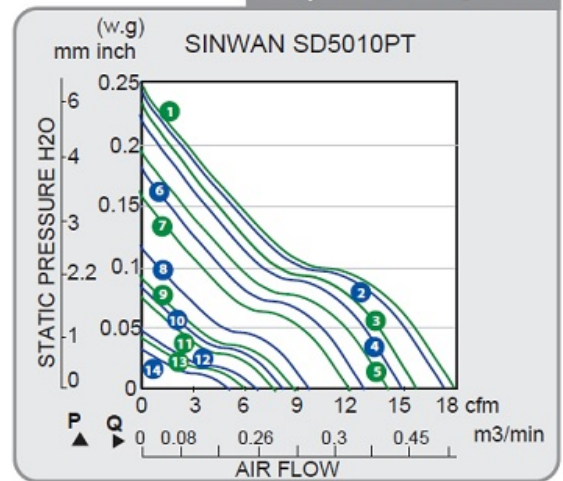
**Environment**

Operating Temp: -20C~+65C

Storage Temp: -20C~+75C (at 65%RH)

Life Expectancy: L10 - B:70K hours at 40C / Y:50K hours at 40C

▶ Performance P-Q Curves



Nomenclature

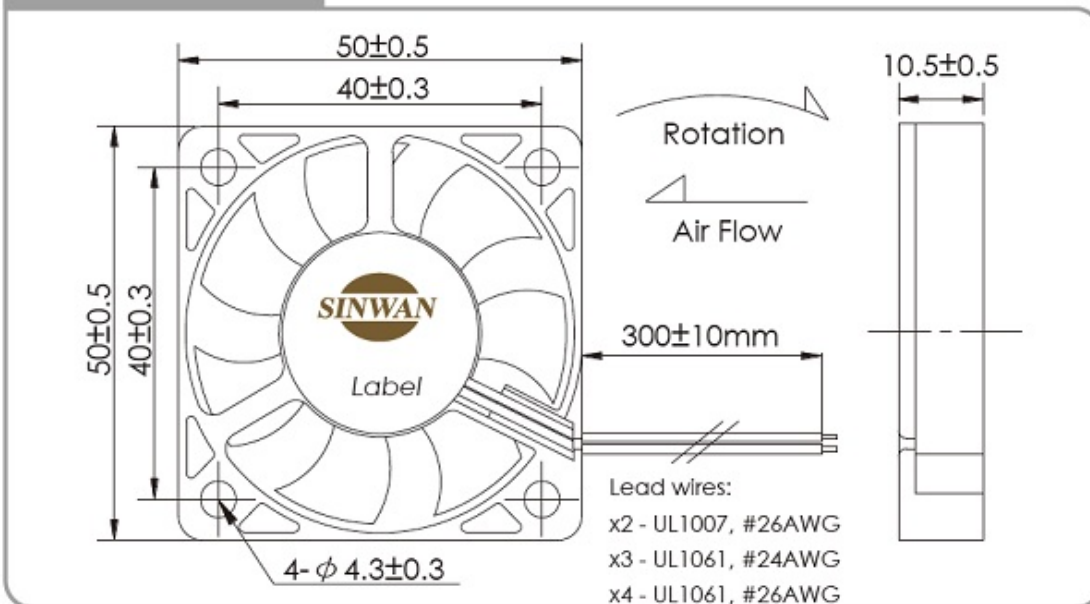


R/D Alarm



F/G Tach

▶ Outline Dimensions



Relevant products



Metal Fan Guard  
G50-3



RoHS