



DC SD5012PT



# 50x50x12mm / 2x0.47inch

## 14~7 CFM

Plastic Impeller

Model No	Rated Volt	Voltage Range	Input Power	Rated Current	Ref. Speed	Max.Airflow		Max.Static Pressure		Noise Level	PQ
	VDC	VDC	Watt	A	RPM	CFM	m3/min	Inch/H2O	mm	db(A)	Curves
SD5012PT-05H	5	4~7	0.7	0.13	4500	11	0.3	0.1	2.54	26	H
SD5012PT-05M	5	4~7	0.5	0.10	4000	9	0.3	0.091	2.31	25	M
SD5012PT-05L	5	4~7	0.4	0.08	3500	7	0.2	0.071	1.8	24	L
SD5012PT-12H	12	8~13.8	1.1	0.09	4500	11	0.3	0.1	2.54	26	H
SD5012PT-12M	12	8~13.8	0.9	0.07	4000	9	0.3	0.091	2.31	25	M
SD5012PT-12L	12	8~14	0.8	0.06	3500	7	0.2	0.071	1.8	24	L
SD5012PT-24H(HH)	24	12~27.6	1.5	0.06	5700	14	0.4	0.11	2.79	28	HH
SD5012PT-24H	24	12~27.6	1.5	0.06	4500	11	0.3	0.1	2.54	26	H
SD5012PT-24M	24	12~27.6	1.2	0.05	4000	9	0.3	0.091	2.31	25	M
SD5012PT-24L	24	12~27.6	1	0.04	3500	7	0.2	0.071	1.8	24	L
SD5012PT-48H(HH)	48	24~54	1.9	0.04	5700	14	0.4	0.11	2.79	28	HH

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

### Motor

Motor Type: Brushless DC Motor, auto cutoff auto restart optional only  
 Burnout Protection: Electronically protected, polarity protected  
 IP Protection: IP55, IP67 (Optional)

### Mechanical

Frame: Glass fiber reinforced thermoplastic, rated UL94V-0(PT)  
 Impeller: 7 blades, glass fiber reinforced plastic, rated UL94V-0  
 Bearing: Two ball bearings  
 Rotation: CCW seen on rotor  
 Connection: Wire lead or terminal flat pin connecting  
 Weight: 20 g (0.044 Lbs)

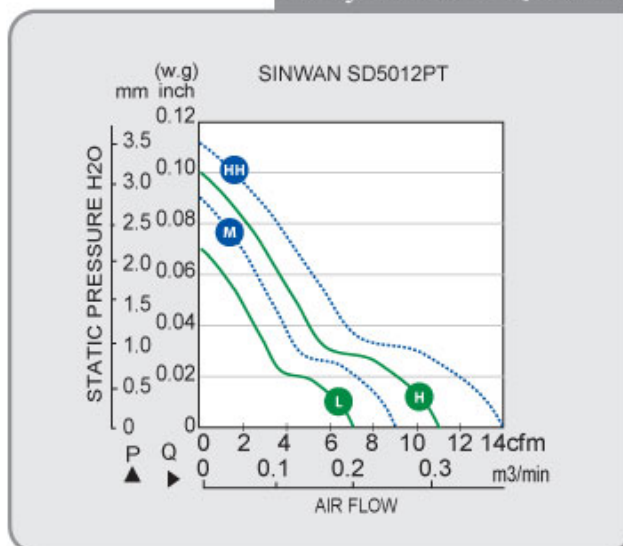
### Electrical

Dielectric Strength: 500 VAC/min. Max leakage 0.5mA  
 Speed Control: On request  
 Signal Output: Optional:R/D alarm output, tachometer output

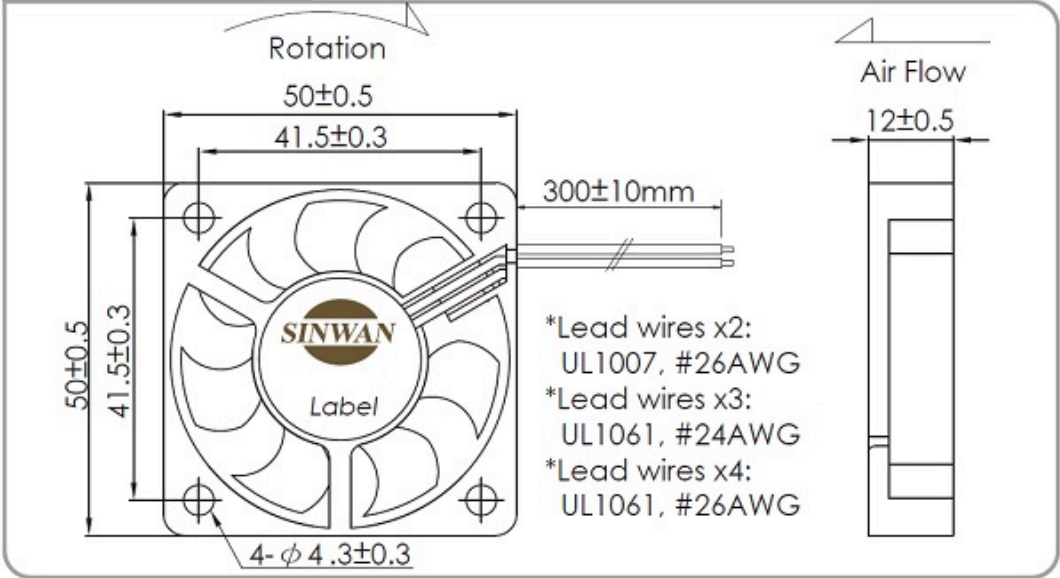
### Environment

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



► Outline Dimensions



Relevant products

Metal Fan Guard  
G50-3

