



OD5010 Series

DC Fan - 5V, 12V, 24V
50 x 10mm (1.97 x .39in)



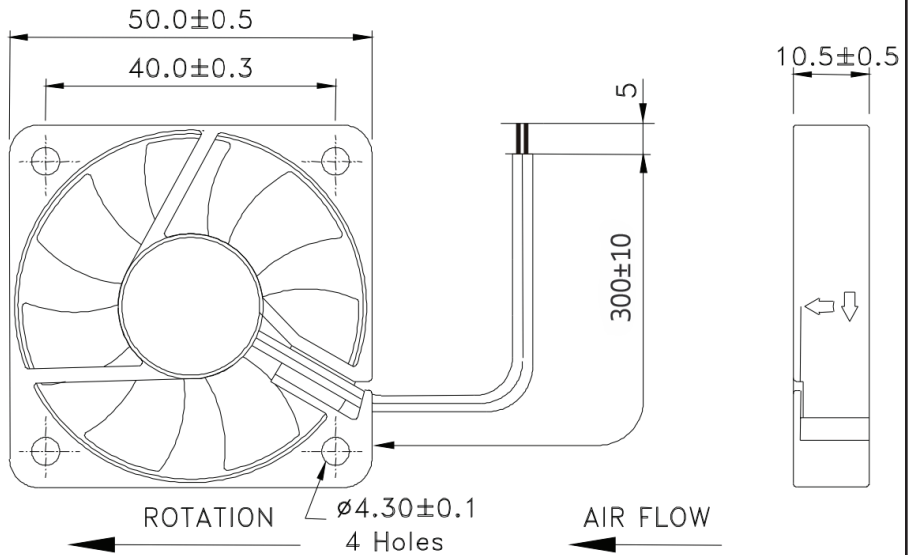
Model #	Pg #	Voltage	RPM	CFM	Noise Level	Max Static Pressure
OD5010-05H	2	5 VDC	5200	11	28 dB	.12 H ₂ O
OD5010-05M	2	5 VDC	4600	10	25 dB	.10 H ₂ O
OD5010-05L	2	5 VDC	3900	9	20 dB	.06 H ₂ O
OD5010-12H	2	12 VDC	5200	11	28 dB	.12 H ₂ O
OD5010-12M	2	12 VDC	4600	10	25 dB	.10 H ₂ O
OD5010-12L	2	12 VDC	3900	9	20 dB	.06 H ₂ O
OD5010-24H	2	24 VDC	5200	11	28 dB	.12 H ₂ O
OD5010-24M	2	24 VDC	4600	10	25 dB	.10 H ₂ O
OD5010-24L	2	24 VDC	3900	9	20 dB	.06 H ₂ O
OD5010-05MB02A	3	5 VDC	4600	10	25 dB	.10 H ₂ O
OD5010-12MB02A	4	12 VDC	4600	10	25 dB	.10 H ₂ O

**** For some models and part numbers, minimum order quantities may apply.**

OD5010 Series



DC Fan - 5, 12, 24V
50x10mm (1.97"x 0.39")



Frame & Impeller	PBT, UL94V-O plastic	Available Options: Tachometer Alarm <u>Life Expectancy (L10)</u> 60,000 hrs Ball 50,000 hrs Sealed Sleeve 30,000 hrs Sleeve <u>Operating Temperature</u> -10C ~ 70C	
Connection	2x Lead wires (~290mm) 26AWG		
Motor	Brushless DC, auto restart, polarity protected		
Bearing System	Dual Ball, sleeve, or sealed sleeve		
Insulation Resistance	10M ohm between leadwire and frame (500VDC)		
Dielectric Strength	1 second at 500 VAC, max leakage < 500 MicroAmp		

Model Number	Speed (RPM)	Airflow (CFM)	Noise (dB)	Volts DC	Input Power (Watts)	Amps	Max. Static Pressure (\"H2O)
OD5010-05H *	5200	11	28	5	1.15	0.23	0.12
OD5010-05M *	4600	10	25	5	0.75	0.15	0.10
OD5010-05L *	3900	9	20	5	0.45	0.10	0.06
OD5010-12H *	5200	11	28	12	1.44	0.12	0.12
OD5010-12M *	4600	10	25	12	1.08	0.09	0.10
OD5010-12L *	3900	9	20	12	0.96	0.08	0.06
OD5010-24H *	5200	11	28	24	1.92	0.08	0.12
OD5010-24M *	4600	10	25	24	1.44	0.06	0.10
OD5010-24L *	3900	9	20	24	1.20	0.05	0.06

* Indicate "B" for ball bearing, "S" for sleeve bearing, or "SS" for sealed sleeve

10557 Metric Drive
Dallas, Texas 75243



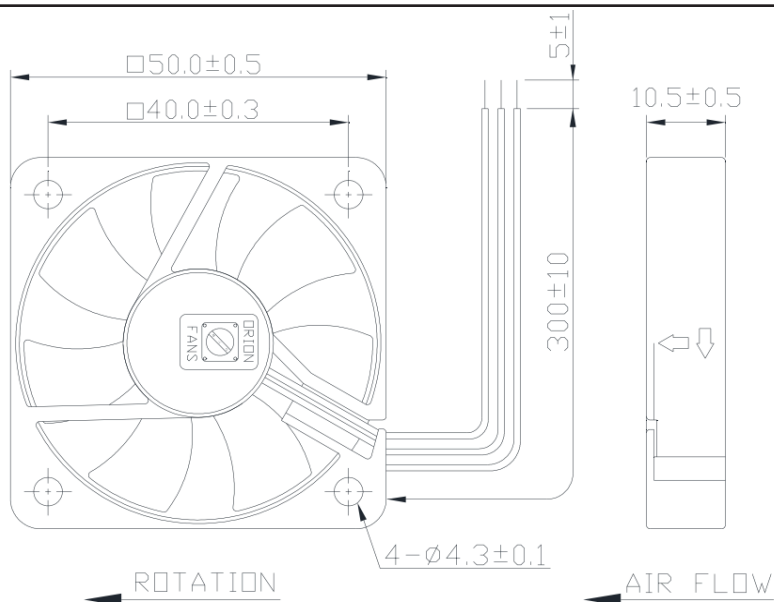
OrionFans.com
Information and data is subject to
change without prior notification.

OD5010-05MB02A

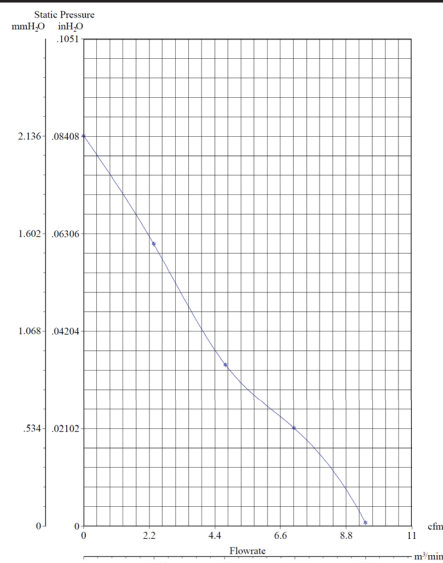


DC Fan, 5VDC

50x10mm (1.97x.39in)



Frame & Impeller	PBT, UL94V-0 plastic	Available Options IP55 Other speeds and voltages Tachometer *Connection: Wire Leads - UL1007 26AWG Red(+), Black (-), Yellow Alarm Weight: 18 g
Connection	3x Lead wires *	
Motor	Brushless DC, auto restart, polarity protected.	
Bearing System	Dual ball bearing	
Insulation Resistance	Min. 10M at 500VDC	
Dielectric Strength	1 second at 500VAC max leakage 500 microamp	
Temperature Range	-10C ~ 70C	
Storage Temperature	-40C ~ +80C	
Life (L10)	60,000 hours (40C)	

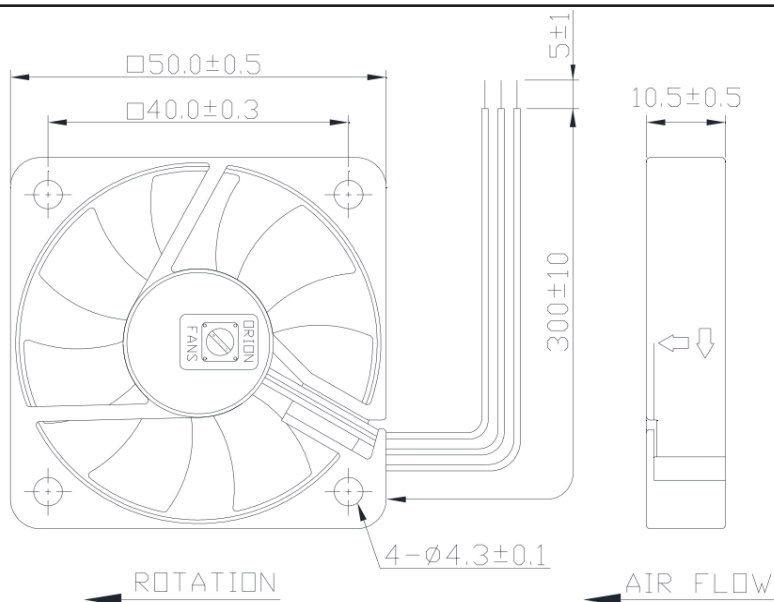


Model Number	OD5010-05MB02A	Output of locked signal *Output type..... Open collector type *Electrical design suggestion: (External signal function design is decided by customer) *Transistor Q1 at "ON" position Collector current..... $I_C=10\text{mA}$ Max Saturation Voltage..... $V_{CE}=1.0\text{V}$ Max (Between Collector and Emitter at $I_C=10\text{mA}$) *Transistor Q1 at "OFF" position Release Voltage..... $V_{CE}=5.5\text{V}$ Max *Output waveform Supply voltage Fan rotation Fan current Locked signal
Part Number	150531231	
Nominal Voltage	5 VDC	
Voltage Range	4 ~ 5.5 VDC	
Nominal Current	.15 A	
Rated Power	.75 Watts	
Rated Speed (RPM)	4600	
Airflow (CFM)	10	
Noise Level (dB)	25	
Max. Static Pressure	.10 "H ₂ O	

OD5010-12MB02A



DC Fan, 12VDC
50x10mm (1.97x.39in)



Frame & Impeller	PBT, UL94V-0 plastic	<u>Available Options</u> IP55 Other speeds and voltages Tachometer *Connection: Wire Leads - UL1007 26AWG Red(+), Black (-), Yellow Alarm Weight: 18 g	Static Pressure mmH₂O inH₂O Flowrate cfm m³/min
Connection	3x Lead wires *		
Motor	Brushless DC, auto restart, polarity protected.		
Bearing System	Dual ball bearing		
Insulation Resistance	Min. 10M at 500VDC		
Dielectric Strength	1 second at 500VAC max leakage 500 microamp		
Temperature Range	-10C ~ 70C		
Storage Temperature	-40C ~ +80C		
Life (L10)	60,000 hours (40C)		

Model Number	OD5010-12MB02A	Output of locked signal *Output type.....Open collector type *Electrical design suggestion: (External signal function design is decided by customer) *Transistor Q1 at "ON" position Collector current.....$I_c = 5\text{mA Max}$ Saturation Voltage.....$V_{ce} = 1.0\text{V Max}$ (Between Collector and Emitter at $I_c = 5\text{mA}$) *Transistor Q1 at "OFF" position Release Voltage.....$V_{ce} = 15\text{V Max}$ *Output waveform
Part Number	150131231	
Nominal Voltage	12 VDC	
Voltage Range	9 ~ 13.2 VDC	
Nominal Current	.09 A	
Rated Power	1.08 Watts	
Rated Speed (RPM)	4600	
Airflow (CFM)	10	
Noise Level (dB)	25	
Max. Static Pressure	.10 "H ₂ O	