

# OD3010 Series

DC Fan - 5V, 12V 30 x 10mm (1.18 x .39in)



Model #	Pg #	Voltage	RPM	CFM	Noise Level	Max Static Pressure
OD3010-05H	2	5 VDC	10000	4.6	31 dB	.20 H <sub>2</sub> O
OD3010-12H	2	12 VDC	10000	4.6	31 dB	.20 H <sub>2</sub> O
OD3010-12M	2	12 VDC	9000	4.0	27 dB	.17 H <sub>2</sub> O
OD3010-12L	2	12 VDC	8000	3.0	26 dB	.13 H2O
OD3010-05MB	3	5 VDC	9000	4.0	30 dB	.17 H <sub>2</sub> O
OD3010-05MB02A	4	5 VDC	9000	9000 4.0		.17 H <sub>2</sub> O
OD3010-12MB02A	5	12 VDC	9000	4.0	27 dB	.17 H <sub>2</sub> O

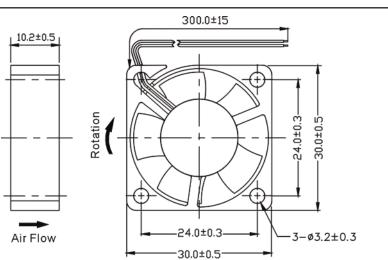
\*\* For some models and part numbers, minimum order quantities may apply.

## OD3010 Series



#### DC Fan - 5, 12V 30x10mm (1.18"x 0.39")





Frame & Impeller	PBT, UL94V-O plastic	Available Options:	0.20
Connection	2x Lead wires 28AWG	Tachometer Alarm	
Motor	Brushless DC, auto restart, impedance and polarity protected	Life Expectancy (L10) Ball - 60,000 hrs (45C) Sleeve - 30,000 hrs (45C)	0.15 0.10
Bearing System	Ball bearing or Sleeve	Operating Temperature	
Insulation Resistance	10M ohm between leadwire and frame (500VDC)	Ball: -20 ~ 75C Sleeve: -10 ~ 60C	Static
Dielectric Strength	1 second at 500 VAC, max leakage - 500 MicroAmp	Weight: ~ 0.02 lbs	
Storage Temperature	-40C ~ +80C	m4/m1	Airflow (CFM)

Model Number	Speed (RPM)	Airflow (CFM)	Noise (dB)	Volts DC	Voltage Range (VDC)	Amps	Max. Static Pressure (``H2O)
OD3010-05H *	10000	4.6	31	05	4.5~5.5	0.17	0.20
OD3010-12H *	10000	4.6	31	12	9~13.2	0.10	0.20
OD3010-12M *	9000	4.0	27	12	9~13.2	0.09	0.17
OD3010-12L *	8000	3.0	26	12	9~13.2	0.06	0.13

\* Indicate "B" for ball bearing or "S" for sleeve bearing



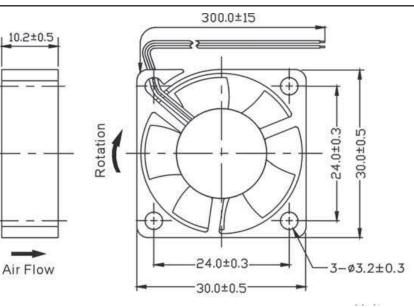


## OD3010-05MB



#### DC Fan, 05VDC 30x10mm (1.18x.39in)





Frame & Impeller	PBT, UL94V-0 plastic		Static Pres mmH <sub>2</sub> O inH <sub>2</sub> 1984	0						 		-	
Connection	2x Lead wires *	Available Options IP55 Other speeds and											
Motor	Brushless DC, auto restart, polarity protected.	voltages Tachometer Alarm	4.03215872	2									
Bearing System	Dual ball bearing	Aldini	3.02411904	4									
Insulation Resistance	Min. 10M at 500VDC	*Connection: Wire Leads - UL1007											
Dielectric Strength	1 second at 500VAC max leakage 500 microamp	28AWG Red(+), Black (-)	2.01607936	5									
Temperature Range	-20C ~ +75C	Weight: 8 g	1.00803968	8									
Storage Temperature	-40C ~ +80C												
Life (L10)	60,000 hours (40C)		0 1 0	0	.02	468	.0493	Flowr	2.61 ate .0740	 3.48	2	4.35	cfm /min

Model Number	OD3010-05MB
Part Number	130531001
Nominal Voltage	5 VDC
Voltage Range	4.5 ~ 5.5 VDC
Nominal Current	.08 A
Rated Power	.40 Watts
Rated Speed (RPM)	9000
Airflow (CFM)	4.0
Noise Level (dB)	30
Max. Static Pressure	.17 "H <sub>2</sub> O

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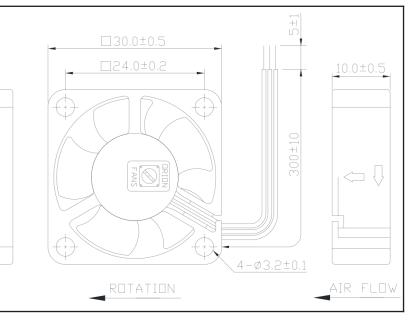
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## OD3010-05MB02A



### DC Fan, 05VDC 30x10mm (1.18x.39in)





Frame & Impeller	PBT, UL94V-0 plastic	Available Ontions	St mmH <sub>2</sub> C	tatic Pr ) inF   .19	1 <u>.</u> 0							
Connection	3x Lead wires *	Available Options IP55 Other speeds and										
Motor	Brushless DC, auto restart, polarity protected.	voltages Tachometer	4.032	.158	72							
Bearing System	Dual ball bearing		3.024	.119	04							
Insulation Resistance	Min. 10M at 500VDC	*Connection: Wire Leads - UL1007				X						
Dielectric Strength	1 second at 500VAC max leakage 500 microamp	28AWG Red(+), Black (-) Alarm Yellow	2.016	.079	36							
Temperature Range	-20C ~ +75C	Weight: 8 g	1.008	.039	68				Ţ			
Storage Temperature	-40C ~ +80C			-					<u> </u>			
Life (L10)	60,000 hours (40C)	]	0	L	0	 .87	 1.74 I .04936	lowrate	2.61 e .0740-	 3.48	 4.3	cfm 35 m <sup>3</sup> /min

Model Number	OD3010-05MB02A	Output of locked signal *Output typeOpen collector type *Electrical design suggestion:
Part Number	130531231	(External signal function design is decided by customer)
Nominal Voltage	5 VDC	FAN = Control
Voltage Range	4.5 ~ 5.5 VDC	
Nominal Current	.08 A	*Transistor Q1 at "ON" position Collector current
Rated Power	.40 Watts	*Transistor 01 at "OFF" position Release VoltageV <sub>on</sub> =5.5V Max • Output waveform
Rated Speed (RPM)	9000	Supply voltage
Airflow (CFM)	4.0	Fan rotation
Noise Level (dB)	30	Fan current
Max. Static Pressure	.17 "H <sub>2</sub> O	

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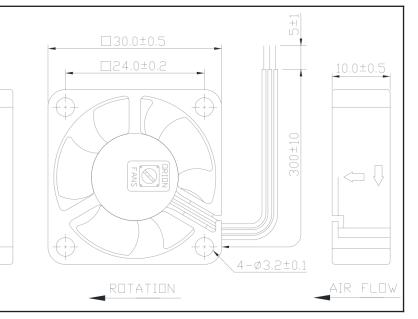
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## OD3010-12MB02A



### DC Fan, 12VDC 30x10mm (1.18x.39in)





Frame & Impeller	PBT, UL94V-0 plastic		Sta mmH20	inH <sub>2</sub> .1984	0									_
Connection	3x Lead wires *	Available Options IP55 Other speeds and												
Motor	Brushless DC, auto restart, polarity protected.	voltages Tachometer	4.032	.15872										
Bearing System	Dual ball bearing		3.024-	.11904	-									
Insulation Resistance	Min. 10M at 500VDC	*Connection: Wire Leads - UL1007						+						
Dielectric Strength	1 second at 500VAC max leakage 500 microamp	28AWG Red(+), Black (-) Alarm Yellow	2.016	.07936	5.									
Temperature Range	-20C ~ +75C	Weight: 8 g	1.008-	.03968	;								1	
Storage Temperature	-40C ~ +80C													
Life (L10)	60,000 hours (40C)		0-	, (	0	 .87	 1.74 I .04936	lowrate	2.61 .0740	 3.48	-	4.	cfm 35 m³/min	

Model Number	OD3010-12MB02A	Output of locked signal *Output typeOpen collector type *Electrical design suggestion:
Part Number	130131231	(External signal function design is decided by customer)
Nominal Voltage	12 VDC	FAN I ISVMAA
Voltage Range	9 ~ 13.2 VDC	GND
Nominal Current	.09 A	*Transistor Q1 at *ON* position Collector current
Rated Power	.84 Watts	"Transistor Q1 at "OFF" position Release VoltageV <sub>or</sub> =15V Max "Output waveform
Rated Speed (RPM)	9000	Supply voltage
Airflow (CFM)	4.0	Fan rotation
Noise Level (dB)	27	Fan current
Max. Static Pressure	.17 "H <sub>2</sub> O	Locked signal

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