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Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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OD8032 Series

DC Fan - 12V, 24V, 48V 80 x 32mm (3.15 x 1.25in)



//////////////////////////////////////						
Model #	Pg #	Voltage	RPM	CFM	Noise Level	Max Static Pressure
OD8032-12H	2	12 VDC	3800	50	40 dB	.43 H ₂ O
OD8032-12M	2	12 VDC	3400	44	36 dB	.28 H ₂ O
OD8032-12L	2	12 VDC	3000	40	31 dB	.20 H ₂ O
OD8032-24H	2	24 VDC	3800	50	40 dB	.43 H ₂ O
OD8032-24M	2	24 VDC	3400	44	36 dB	.28 H ₂ O
OD8032-24L	2	24 VDC	3000	40	31 dB	.20 H ₂ O
OD8032-48H	2	48 VDC	3800	50	40 dB	.43 H ₂ O
OD8032-48M	2	48 VDC	3400	44	36 dB	.28 H ₂ O
OD8032-48L	2	48 VDC	3000	40	31 dB	.20 H ₂ O
OD8032-12HHB02A	3	12 VDC	4200	55.5	44 dB	.32 H ₂ O
OD8032-24HHB	4	24 VDC	4200	55.5	44 dB	.32 H ₂ O
OD8032-24HHB02A	5	24 VDC	4200	55.5	44 dB	.32 H ₂ O

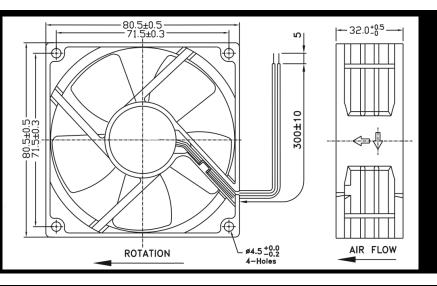
** For some models and part numbers, minimum order quantities may apply.

OD8032 Series



DC Fan - 12, 24, 48V 80x32mm (3.15"x 1.25")





Frame & Impeller	PBT, UL94V-O plastic	Available Options:	<u> НМ</u>
Connection	2x Lead wires, UL1007, 24AWG	Tachometer (FG) Alarm (RD) Thermal Speed Control	0.30
Motor	Brushless DC, auto restart, polarity protected	(Thermistor) PWM Input (Manual Speed Control) Life Expectancy (L10)	Q Q U.20 U.15
Bearing System	Dual Ball or Sleeve	Ball Bearing 70,000 hours (L10 at 40C)	S S U 0.10
Insulation Resistance	10M ohm between leadwire and frame (500VDC)	Sleeve Bearing 35,000 hours (L10 at 40C)	4 0.10 static
Dielectric Strength	1 second at 500 VAC, max leakage - 500 MicroAmp	Operating Temperature Ball Bearing -20C ~ +70C	0.00
Storage Temperature	-40C ~ +80C	Sleeve Bearing -10C ~ +50C	0 10 20 30 40 50 Airflow (CFM)

Model Number	Speed (RPM)	Airflow (CFM)	Noise (dB)	Volts DC	Voltage Range	Nominal Amps	Max. Static Pressure ("H2O)
OD8032-12H*	3800	50	42	12	10.8~13.2	0.19	0.29
OD8032-12M*	3400	45	37	12	10.8~13.2	0.16	0.24
OD8032-12L*	3000	40	35	12	10.8~13.2	0.11	0.19
OD8032-24H*	3800	50	42	24	21.6~26.4	0.12	0.29
OD8032-24M*	3400	45	37	24	21.6~26.4	0.10	0.24
OD8032-24L*	3000	40	35	24	21.6~26.4	0.07	0.19
OD8032-48H*	3800	50	42	48	24~56	0.08	0.29
OD8032-48M*	3400	45	37	48	24~56	0.07	0.24
OD8032-48L*	3000	40	35	48	24~56	0.06	0.19

* Indicate "B" to specify Ball bearing or "S" to specify Sleeve bearing

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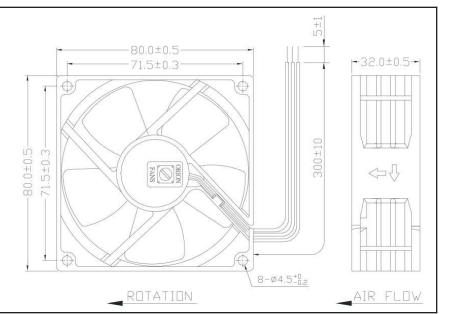
Orion Fans Information and data is subject to change without prior notification.

OD8032-12HHB02A



DC Fan, 12VDC 80x32mm (3.15x1.25in)





Frame & Impeller	PBT, UL94V-0 plastic	Available Options	Static Pressue mmH,O inH,O 10) 3937
Connection	3x Lead wires *	IP55 Other speeds and	
Motor	Brushless DC, auto restart, polarity protected.	voltages Tachometer	8 31496
Bearing System	Dual ball bearing	PWM	61, 23622
Insulation Resistance	Min. 10M at 500VDC	*Connection: Wire Leads - UL1007	
Dielectric Strength	1 second at 500VAC max leakage 500 microamp	24AWG Red(+), Black (-), Yellow Alarm	4 .15748
Temperature Range	-10C ~ +70C	Weight: 108 g	2- 07574
Storage Temperature	-40C ~ +80C		
Life (L10)	70,000 hours (40C)		0 0 13.8 27.6 41.4 55.2 69

Model Number	OD8032-12HHB02A	Output of locked signal *Output type
Part Number	184151231	(External signal function design is decided by customer)
Nominal Voltage	12 VDC	OI Vo Tc
Voltage Range	7~13.2 VDC	*Transistor Q1 at "ON" position
Nominal Current	.23 A	Collector current
Rated Power	4.56 Watts	*Transistor Q1 at "OFF" position Release VoltageV _{ox} =15V Max *Output waveform
Rated Speed (RPM)	4200	Supply voltage
Airflow (CFM)	55.5	Fan rotation
Noise Level (dB)	44	Fan current
Max. Static Pressure	.32 "H ₂ O	

RoHS Compliant



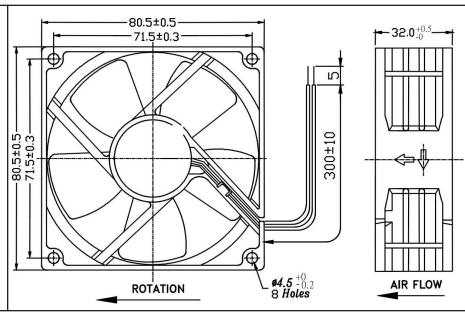
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OD8032-24HHB



DC Fan, 24VDC 80x32mm (3.15x1.25in)





Frame & Impeller	PBT, UL94V-0 plastic	Available Options	mmH ₂ O	tic Presst inH ₂ O .3937	re					 		
Connection	2x Lead wires *	IP55 Other speeds and						+				
Motor	Brushless DC, auto restart, polarity protected.	voltages Tachometer	8-	8 .31496*				-				
Bearing System	Dual ball bearing	PWM Alarm		.23622-				+				
Insulation Resistance	Min. 10M at 500VDC	*Connection: Wire Leads - UL1007 24AWG Red(+), Black (-),	-			X		++		 		
Dielectric Strength	1 second at 500VAC max leakage 500 microamp		4-	.15748-								
Temperature Range	-10C ~ +70C	Weight: 108 g	2-	.07874-								
Storage Temperature	-40C ~ +80C							+				
Life (L10)	70,000 hours (40C)		ا ₀	0-		13.8	27.6	Flowrate	41.4	 55.2	6	cfm 9 m ³ min

Model Number	OD8032-24HHB
Part Number	184251001
Nominal Voltage	24 VDC
Voltage Range	17~26.4 VDC
Nominal Current	.15 A
Rated Power	4.32 Watts
Rated Speed (RPM)	4200
Airflow (CFM)	55.5
Noise Level (dB)	44
Max. Static Pressure	.32 "H ₂ O

RoHS Compliant

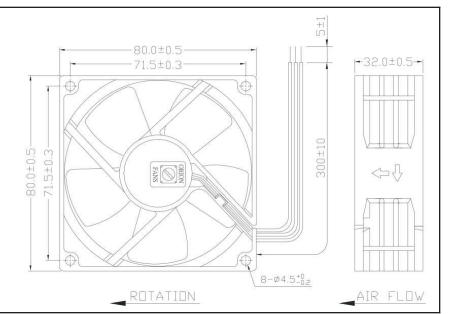


OD8032-24HHB02A



DC Fan, 24VDC 80x32mm (3.15x1.25in)





Frame & Impeller	PBT, UL94V-0 plastic	Available Options	Static Pressure mmH,O inH,O 10] .3937
Connection	3x Lead wires *	IP55 Other speeds and	
Motor	Brushless DC, auto restart, polarity protected.	voltages Tachometer	8 31496
Bearing System	Dual ball bearing	PWM	61,23622
Insulation Resistance	Min. 10M at 500VDC	*Connection: Wire Leads - UL1007	
Dielectric Strength	1 second at 500VAC max leakage 500 microamp	24AWG Red(+), Black (-), Yellow Alarm	4 .13748
Temperature Range	-10C ~ +70C	Weight: 108 g	2 07874
Storage Temperature	-40C ~ +80C		
Life (L10)	70,000 hours (40C)	1	0 ¹ 0 13.8 27.6 41.4 55.2 69 cfm Plowstee mixing

Model Number	OD8032-24HHB02A	Output of locked signal *Output typeOpen collector type *Electrical design suggestion:
Part Number	184251231	(External signal function design is decided by customer)
Nominal Voltage	24 VDC	Clocked Signal
Voltage Range	17~26.4 VDC	*Transistor Q1 at "ON" position
Nominal Current	.15 A	Collector current
Rated Power	4.32 Watts	Release VoltageVon=30V Max *Output waveform
Rated Speed (RPM)	4200	Supply voltage
Airflow (CFM)	55.5	Fan rotation
Noise Level (dB)	44	Fan current
Max. Static Pressure	.32 "H ₂ O	Locked signal Val

RoHS Compliant



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