



OD2510 Series

DC Fan - 5V, 12V
25 x 10mm (1.0 x .39in)



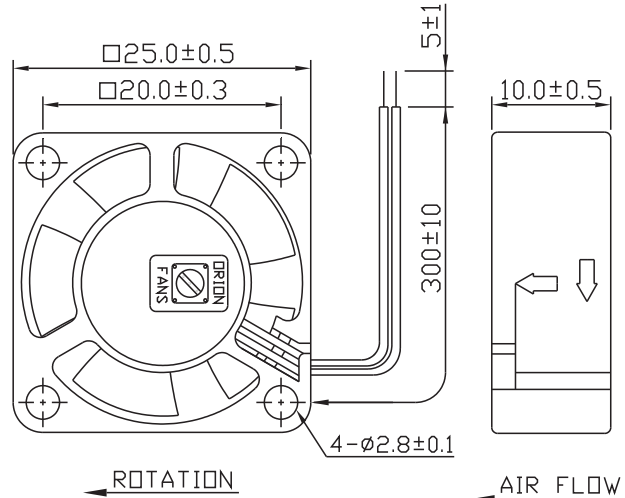
Model #	Pg #	Voltage	RPM	CFM	Noise Level	Max Static Pressure
OD2510-05H	2	5 VDC	12000	2.7	31 dB	.23 H ₂ O
OD2510-05M	2	5 VDC	10000	2.2	24 dB	.17 H ₂ O
OD2510-05L	2	5 VDC	8000	1.8	18 dB	.12 H ₂ O
OD2510-12H	2	12 VDC	12000	2.7	31 dB	.23 H ₂ O
OD2510-12M	2	12 VDC	10000	2.2	24 dB	.17 H ₂ O
OD2510-12L	2	12 VDC	8000	1.8	16 dB	.12 H ₂ O
OD2510-12LL	2	12 VDC	7000	1.45	15 dB	.07 H ₂ O
OD2510-12MB02A	3	12 VDC	10000	2.1	24 dB	.16 H ₂ O

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

OD2510 Series



DC Fan - 5, 12V
25 x 10mm (1.0" x 0.39")



Frame & Impeller	PBT, UL94V-0 plastic	Available Options: Tachometer Alarm <u>Life Expectancy (L10)</u> Ball - 60,000 hrs (45C) Sleeve - 30,000 hrs (45C) <u>Operating Temperature</u> Ball: -20C ~ +75C Sleeve: -10C ~ 50C Weight: ~ 0.02 lbs m1	
Connection	2x Lead wires 28AWG		
Motor	Brushless DC, auto restart, impedance and polarity protected		
Bearing System	Ball bearing or Sleeve		
Insulation Resistance	10M ohm between leadwire and frame (500VDC)		
Dielectric Strength	1 minute at 500 VAC, max leakage < 500 MicroAmp		
Storage Temperature	-40C ~ +80C		

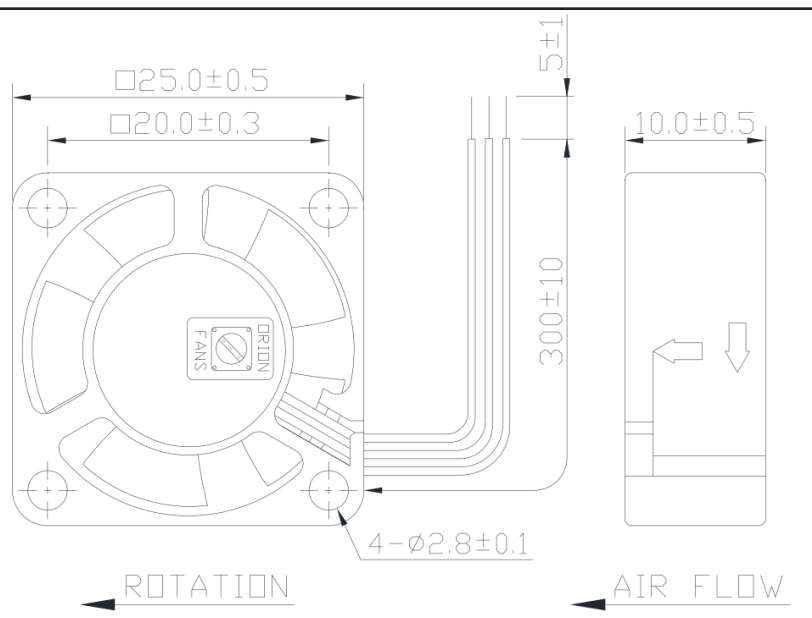
Model Number	Speed (RPM)	Airflow (CFM)	Noise (dB)	Volts DC	Voltage Range (VDC)	Amps	Max. Static Pressure ("H ₂ O)
OD2510-05H *	12000	2.7	31	5	4.0 ~ 5.5	0.14	0.23
OD2510-05M *	10000	2.2	24	5	4.0 ~ 5.5	0.12	0.17
OD2510-05L *	8000	1.8	18	5	4.0 ~ 5.5	0.10	0.12
OD2510-12H *	12000	2.7	31	12	6.0 ~ 16	0.09	0.23
OD2510-12M *	10000	2.2	24	12	6.0 ~ 16	0.08	0.17
OD2510-12L *	8000	1.8	16	12	6.0 ~ 16	0.04	0.12
OD2510-12LL *	7000	1.45	15	12	9.0 ~ 13.2	0.07	0.07

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

OD2510-12MB02A



DC Fan, 12VDC
25x10mm (1x.39in)



Frame & Impeller	PBT, UL94V-0 plastic	Available Options IP55 Other speeds and voltages Tachometer PWM *Connection: Wire Leads - UL1007 28AWG Red(+), Black (-), Yellow Alarm Weight: 8 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)	70,000 hours (40C)		

Model Number	OD2510-12MB02A	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 Supply voltage: LOCK, LOCK RELEASE Fan rotation: (High during LOCK, Low during LOCK RELEASE) Fan current: (Pulse during LOCK, Low during LOCK RELEASE) Locked signal: (High during LOCK, Low during LOCK RELEASE) Time scale: $T=16\text{SEC}$
Part Number	125131231	
Nominal Voltage	12 VDC	
Voltage Range	9~13.2 VDC	
Nominal Current	.035 A	
Rated Power	1.44 Watts	
Rated Speed (RPM)	10000	
Airflow (CFM)	2.1	
Noise Level (dB)	24	
Max. Static Pressure	.16 "H ₂ O	