OD2510 Series

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



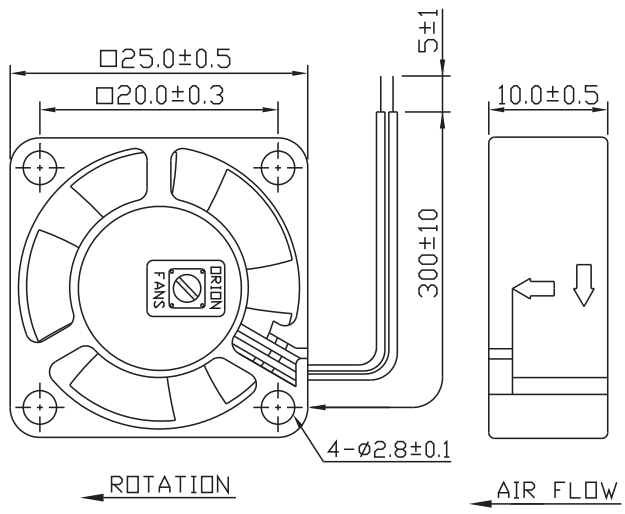
Model #	Pg #	Voltage	RPM	CFM	Noise Level	Max Static Pressure
OD2510-05H	**2**	5 VDC	12000	2.7	31 dB	.23 H_2O
OD2510-05M	**2**	5 VDC	10000	2.2	24 dB	.17 H_2O
OD2510-05L	**2**	5 VDC	8000	1.8	18 dB	.12 H_2O
OD2510-12H	**2**	12 VDC	12000	2.7	31 dB	.23 H_2O
OD2510-12M	**2**	12 VDC	10000	2.2	24 dB	.17 H_2O
OD2510-12L	**2**	12 VDC	8000	1.8	16 dB	.12 H_2O
OD2510-12LL	**2**	12 VDC	7000	1.45	15 dB	.07 H_2O
OD2510-12MB02A	**3**	12 VDC	10000	2.1	24 dB	.16 H_2O

**** 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
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

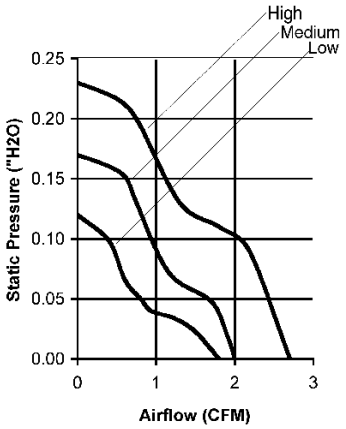
Available Options:
Tachometer
Alarm

Life Expectancy (L10)
Ball - 60,000 hrs (45C)
Sleeve - 30,000 hrs (45C)

Operating Temperature
Ball: -20C ~ +75C
Sleeve: -10C ~ 50C

Weight: ~ 0.02 lbs

m1



Model Number	Speed (RPM)	Airflow (CFM)	Noise (dB)	Volts DC	Voltage Range (VDC)	Amps	Max. Static Pressure ("H_2O)
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

Knight Electronics, Inc.
10557 Metric Drive
Dallas, Texas 75243
214-340-0265

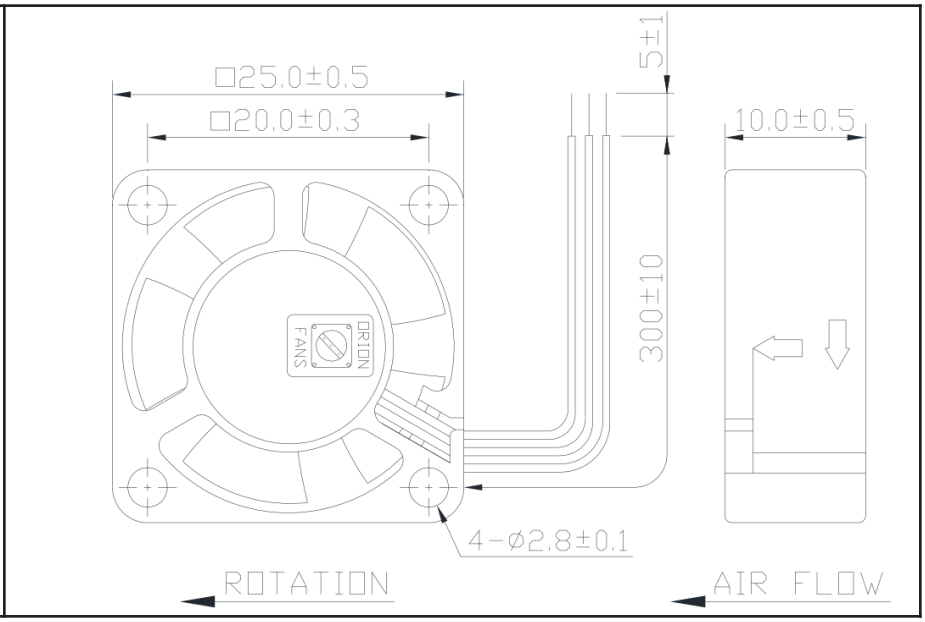
RoHS Compliant

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

OD2510-12MB02A

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





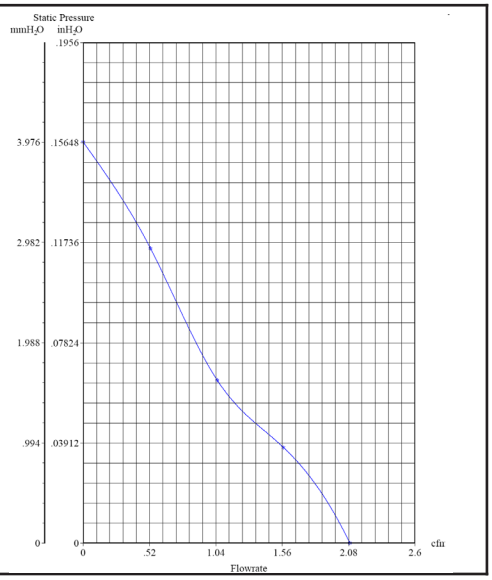
Frame & Impeller	PBT, UL94V-0 plastic
Connection	3x Lead wires *
Motor	Brushless DC, auto restart, polarity protected.
Bearing System	Dual ball bearing
Insulation Resistance	Min. 10M at 500VDC
Dielectric Strength	1 second at 500VAC max leakage 500 microamp
Temperature Range	-10C ~ +70C
Storage Temperature	-40C ~ +80C
Life (L10)	70,000 hours (40C)

Available Options

IP55
Other speeds and voltages
Tachometer
PWM

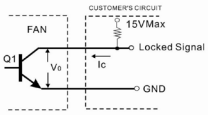
*Connection:
Wire Leads - UL1007 28AWG Red(+), Black (-), Yellow Alarm

Weight: 8 g



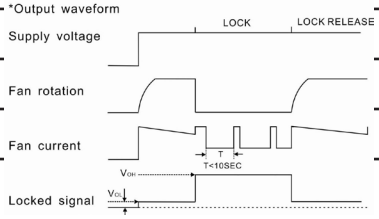
Model Number	OD2510-12MB02A
Part Number	125131231
Nominal Voltage	12 VDC
Voltage Range	9~13.2 VDC
Nominal Current	.035 A
Rated Power	1.44 Watts
Rated Speed (RPM)	10000
Airflow (CFM)	2.1
Noise Level (dB)	24
Max. Static Pressure	.16 "H_2O

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=5mA Max
Saturation Voltage.....V_{OL}=1.0V Max
(Between Collector and Emitter at I_C=5mA)
*Transistor Q1 at "OFF" position
Release Voltage.....V_{OH}=15V Max

*Output waveform



Knight Electronics, Inc.
10557 Metric Drive
Dallas, Texas 75243
214-340-0265

RoHS Compliant

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