



OD5015 Series

DC Fan - 12V

50 x 15mm (1.96 x .59in)



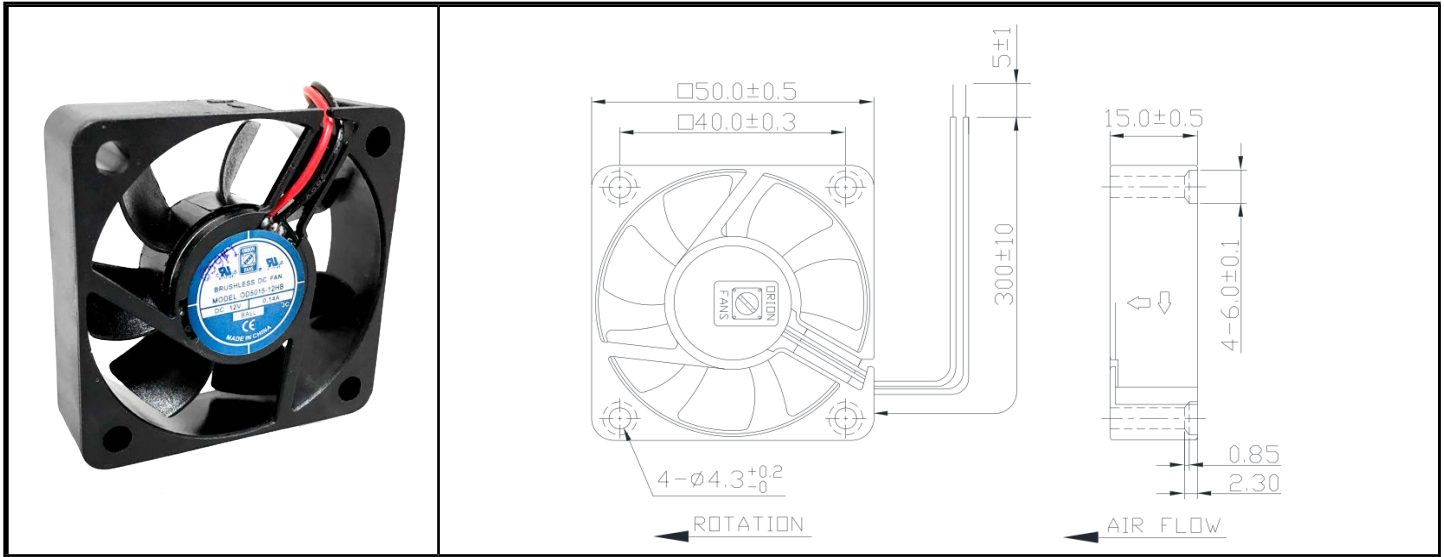
Model #	Pg #	Voltage	RPM	CFM	Noise Level	Max Static Pressure
OD5015-12HB	2	12 VDC	4800	14	30 dB	.13 H ₂ O
OD5015-12HB02A	3	12 VDC	4800	14	30 dB	.13 H ₂ O

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

OD5015-12HB



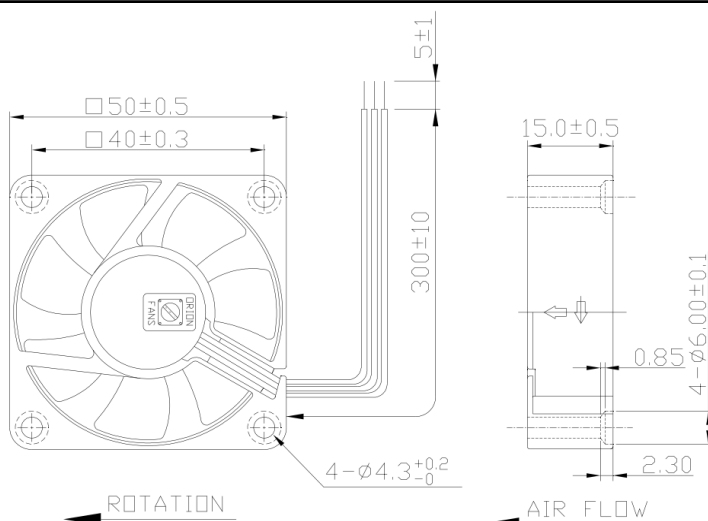
DC Fan - 12V
50x15mm (1.96"x 0.59")



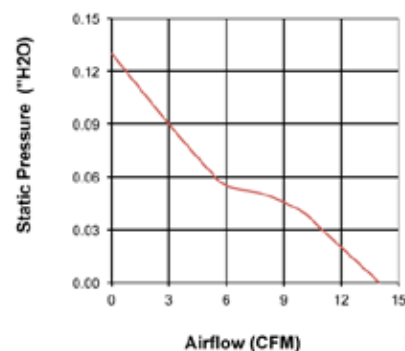
Frame	PBT, UL94V-0	Notes	
Impeller	PBT, UL94V-0	Date: 063015	
Connection	2x Lead wires *	<u>Available Options</u>	
Motor	Brushless DC, imped- ance protected	Tachometer Alarm Other speeds and voltages	
Bearing System	Ball		
Insulation Resistance	10M ohm between lead wire and frame (500VDC)	*Connection: UL1007 26AWG, black GND UL1007 26AWG, red Vcc	
Dielectric Strength	60 seconds at 500VAC, max. leakage < 500 MicroAmp	Weight: 27g	
Temperature Range	-10C ~ +70C		
Life Expectancy	70000 hours (40C)		

Model Number	OD5015-12HB
Part Number	159141001
Nominal Voltage	12 VDC
Voltage Range	9 ~ 13.2 VDC
Nominal Current (Amps)	0.11 A
Input Power (Watts)	1.68 W
Rated Speed (RPM)	4800
Airflow (CFM)	14
Noise Level (dB)	30
Max. Static Pressure (" H ₂ O)	0.13

OD5015-12HB02A

DC Fan - 12V
50x15mm (1.96"x 0.59")

Frame	PBT, UL94V-0	Notes
Impeller	PBT, UL94V-0	Date: 063015
Connection	3x Lead wires *	<u>Available Options</u>
Motor	Brushless DC, imped- ance protected	Tachometer IP55 Other speeds and voltages
Bearing System	Ball	
Insulation Resistance	10M ohm between lead wire and frame (500VDC)	*Connection: UL1007 26AWG, black GND UL1007 26AWG, red Vcc UL 1007 28AWG Yellow Alarm
Dielectric Strength	60 seconds at 500VAC, max. leakage < 500 MicroAmp	Weight: 27g
Temperature Range	-10C ~ +70C	
Life Expectancy	70000 hours (40C)	



Model Number	OD5015-12HB02A	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 Fan rotation Fan current Locked signal
Part Number	159141231	
Nominal Voltage	12 VDC	
Voltage Range	9 ~ 13.2 VDC	
Nominal Current (Amps)	0.11 A	
Input Power (Watts)	1.68 W	
Rated Speed (RPM)	4800	
Airflow (CFM)	14	
Noise Level (dB)	30	
Max. Static Pressure (" H ₂ O)	0.13	