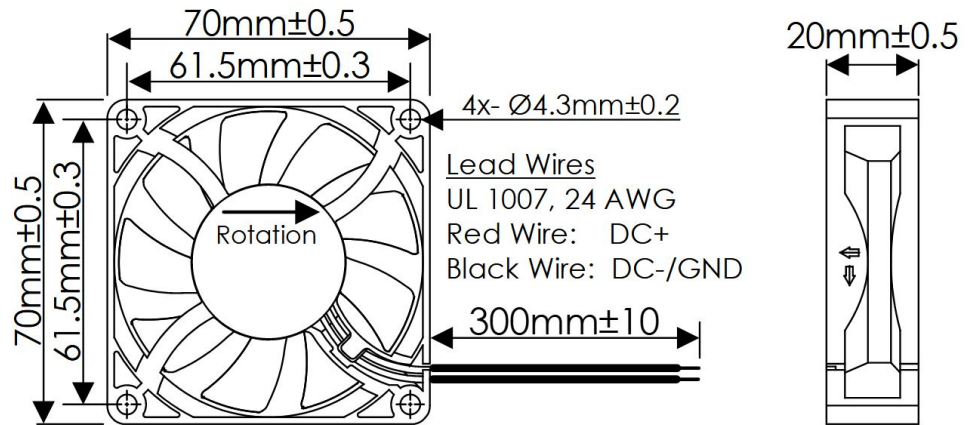


OD7020 Series



DC Fan - 12V
70mm x 20mm (2.76" x 0.79")



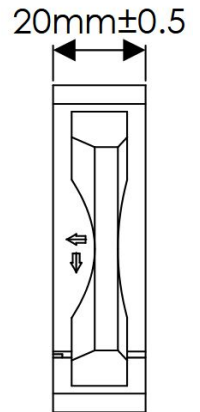
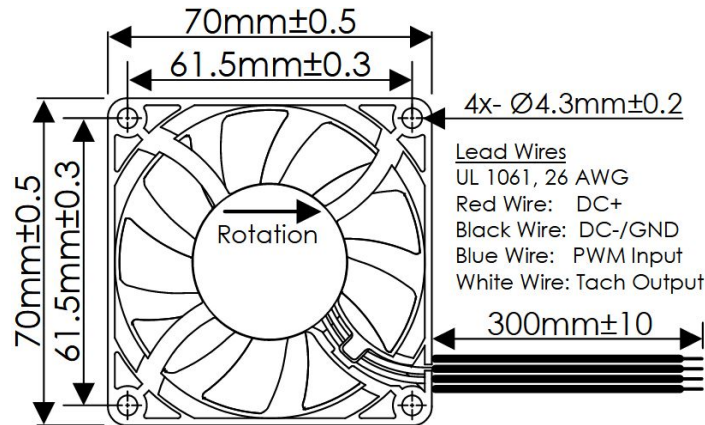
Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -10°C ~ +70°C	Static Pressure ("H₂O") Airflow (CFM)
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -40°C ~ +70°C	
Connection	2x Lead Wires, UL 1007 24 AWG	<u>Life Expectancy</u> 70,000 Hours (L10 at 40°C)	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Electronically Protected, Polarity Protected	<u>Available Options</u> PWM Speed Control Input Tachometer Output Alarm Output	
Bearing System	Dual Ball Bearings	Weight: 0.14 lbs.	
Dielectric Strength	500VDC/min, <1mA		
Insulation Resistance	≥10MΩ @ 500 VDC		

Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)(Max)	Rated Current (Amps)(Max)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H ₂ O)
OD7020-12HHB	12	7.0 ~ 13.2	6.0	0.40 (0.50)	5000	45	43.0	0.31
OD7020-12HB	12	7.0 ~ 13.2	5.2	0.35 (0.43)	4500	41	41.5	0.26

OD7020 Series with PWM and Tach

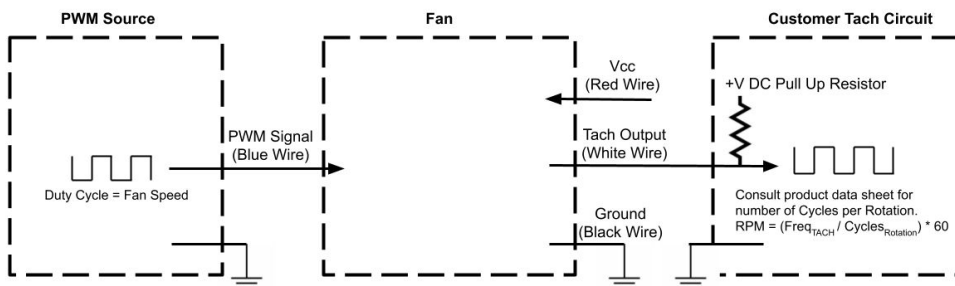


DC Fan - 12V
70mm x 20mm (2.76" x 0.79")



Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -10°C ~ +70°C	Static Pressure ("H₂O") Airflow (CFM)
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -40°C ~ +70°C	
Connection	4x Lead Wires, UL 1061 26 AWG	<u>Life Expectancy</u> 70,000 Hours (L10 at 40°C)	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Electronically Protected, Polarity Protected	<u>Installed Options</u> PWM Speed Control Input Open Drain Tach Output	
Bearing System	Dual Ball Bearings	Weight: 0.14 lbs.	
Dielectric Strength	500VDC/min, <1mA		
Insulation Resistance	≥10MΩ @ 500 VDC		

Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)(Max)	Rated Current (Amps)(Max)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H ₂ O")
OD7020-12HHB10A	12	7.0 ~ 13.2	6.0	0.40 (0.50)	5000	45	43.0	0.31
OD7020-12HB10A	12	7.0 ~ 13.2	5.2	0.35 (0.43)	4500	41	41.5	0.26



PWM Max High Voltage: 5.5V
PWM HIGH Logic Voltage: 3 ~ 5.5V
PWM Max Sink Current: 5mA
PWM Frequency Range: 18KHz-30KHz
PWM Typical Frequency: 25KHz
PWM Startup Duty Cycle: 30%
RPM at 0% Duty Cycle: 500±250
RPM will be full speed if PWM input is disconnected.
Tach Max Pullup Voltage: Fan Vcc
Tach Max Sink Current: 5mA
Tach Cycles per Rotation: 2

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[Orion Fans:](#)

[OD7020-12HHB10A](#) [OD7020-12HB](#)