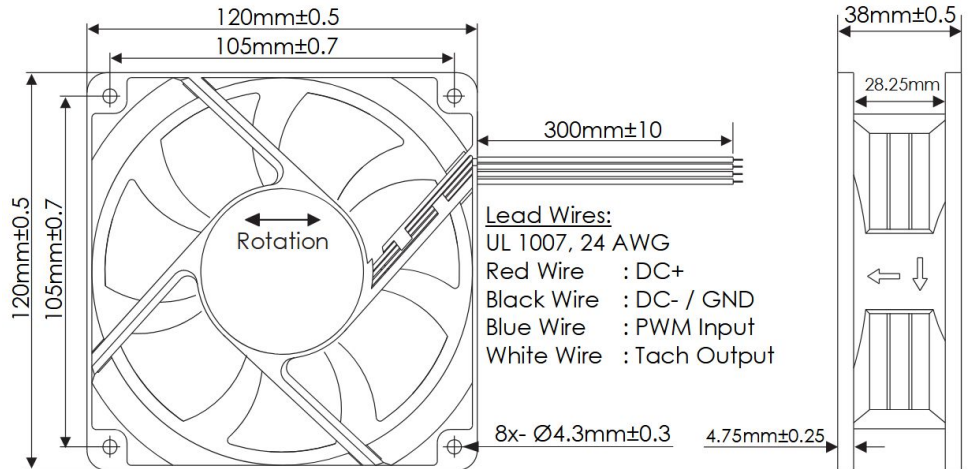


OD1238 Reversible Flow Series

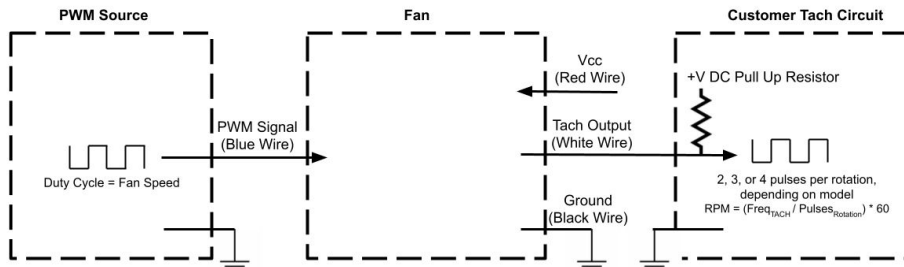


DC Fans - 12, 24, 48V
120mm x 120mm x 38mm
(4.7" x 4.7" x 1.5")



Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -15°C ~ +65°C	Static Pressure ("H₂O") Airflow (CFM) — Forward --- Reverse
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -25°C ~ +80°C	
Connection	4x Lead Wires, 24 AWG	<u>Life Expectancy</u> 70,000 Hours (L10 at 40°C)	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	<u>Included Options</u> PWM Speed Control Input Open Collector Tach Output	
Bearing System	Ball Bearings	Weight: 0.69 lbs.	
Dielectric Strength	500 VDC/min, <1mA		
Insulation Resistance	≥10M Ohm @ 500 VDC		

Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)(Max)	Rated Current Forward/Reverse (Amps)(Max)	Rated Speed Forward/Reverse (RPM)	Max Airflow Forward/Reverse (CFM)	Noise Level (dBA)	Max Static Pressure ("H ₂ O") Forward / Reverse
OD1238-12HHB10AZ	12	8 ~ 13.8	10.8	0.90	3500	146 / 115	50	0.6 / 0.4
OD1238-24HHB10AZ	24	12 ~ 26.4	10.8	0.45	3500	146 / 115	50	0.6 / 0.4
OD1238-48HHB10AZ	48	28 ~ 52.0	10.8	0.20	3500	146 / 115	50	0.6 / 0.4



Tach Max Pullup Voltage: Fan +Vcc
Tach Max Current: 5mA
Tach Low Voltage: ≤0.5 V
Tach Cycles per Rotation: 2
PWM Input Voltage Max: ≤5V
PWM Input Max Sink Current: 5mA
PWM Frequency Range: 1KHz-100KHz
PWM Typical Frequency: 25KHz
RPM will be full speed if PWM input is disconnected.

Air flow Direction	Toward Label (FWD)	Toward Label (FWD)	Toward Label (FWD)	Toward Label (FWD)	Toward Label (FWD)	STOPPED	Reverse	Reverse	Reverse	Reverse	Reverse
PWM Duty Cycle	0%	10%	20%	30%	40%	46~55%	60%	70%	80%	90%	100%
Speed (RPM) ±10%	3500	3275	2450	1650	875	0	825	1550	2350	3150	3500

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Orion Fans:](#)

[OD1238-12HHB10AZ](#) [OD1238-24HHB10AZ](#) [OD1238-48HHB10AZ](#)