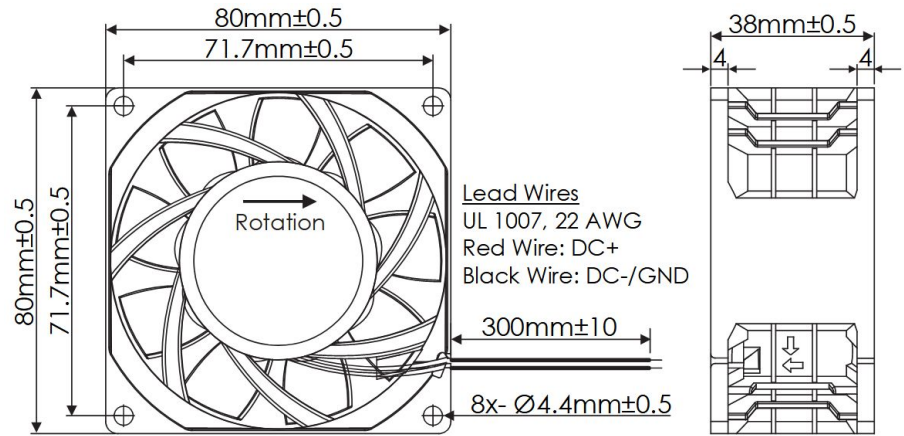


OD8038 VXE Series



DC Fans - 12, 24, 48V
80mm x 38mm (3.15" x 1.5")



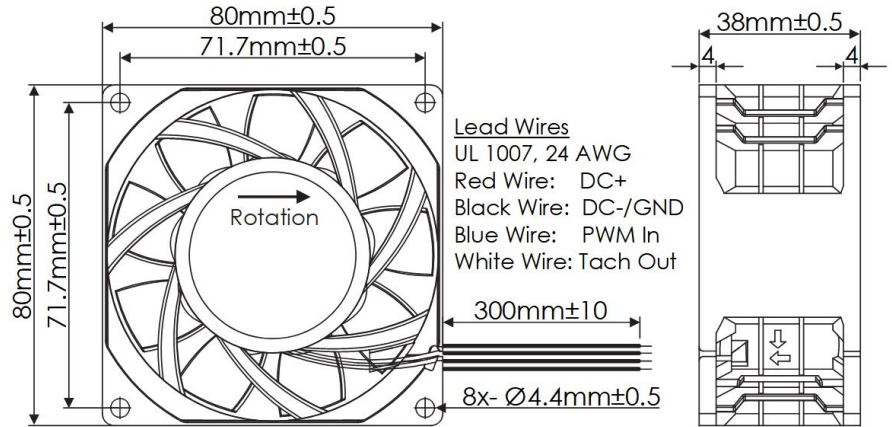
Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C <u>Storage Temperature</u> -20°C ~ +75°C <u>Life Expectancy</u> 70,000 Hours (L10 at 40°C) <u>Available Options</u> PWM Speed Control Input Tachometer Output Alarm Output IP Ratings Weight: 0.46 lbs	
Impeller	PBT, UL94 V-0 Plastic		
Connection	2x Lead Wires, 22 AWG		
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected		
Bearing System	Ball Bearings		
Dielectric Strength	500VDC/min, <1mA		
Insulation Resistance	≥10M @ 500 VDC		

Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)	Rated Current (Amps)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H ₂ O)
OD8038-12HHBVXE	12	8 ~ 13.8	42.0	3.50	8925	130	66.5	2.0
OD8038-12HBVXE	12	8 ~ 13.8	24.0	2.00	7400	105	62.3	1.3
OD8038-12MBVXE	12	8 ~ 13.8	15.0	1.25	6525	90	59.1	1.0
OD8038-24HHBVXE	24	15 ~ 26	45.6	1.90	8925	130	66.5	2.0
OD8038-24HBVXE	24	15 ~ 26	21.6	0.90	7400	105	62.3	1.3
OD8038-24MBVXE	24	15 ~ 26	14.5	0.60	6525	90	59.1	1.0
OD8038-48HHBVXE	48	40 ~ 52	43.2	0.90	8925	130	66.5	2.0
OD8038-48HBVXE	48	40 ~ 52	27.8	0.58	7400	105	62.3	1.3
OD8038-48MBVXE	48	40 ~ 52	24.5	0.51	6525	90	59.1	1.0

OD8038 VXE Series with PWM and Tach

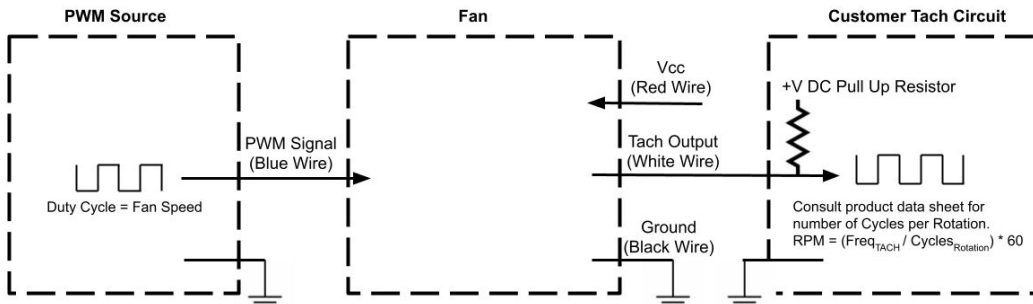


DC Fans - 12, 24, 48V
80mm x 38mm (3.15" x 1.5")



Frame	PBT, UL94 V-0 Plastic	Operating Temperature -20°C ~ +65°C Storage Temperature -20°C ~ +75°C Life Expectancy 70,000 Hours (L10 at 40°C) Installed Options PWM Speed Control Input Open Collector Tach Output Weight: 0.46 lbs
Impeller	PBT, UL94 V-0 Plastic	
Connection	4x Lead Wires, 24 AWG	Static Pressure ("H₂O") vs Airflow (CFM) graph showing performance curves for HH, H, and M models.
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	
Bearing System	Ball Bearings	
Dielectric Strength	500VDC/min, <1mA	
Insulation Resistance	≥10M @ 500 VDC	

Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)	Rated Current (Amps)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H ₂ O")
OD8038-12HHBVXE10A	12	8 ~ 13.8	42.0	3.50	8925	130	66.5	2.0
OD8038-12HBVXE10A	12	8 ~ 13.8	24.0	2.00	7400	105	62.3	1.3
OD8038-12MBVXE10A	12	8 ~ 13.8	15.0	1.25	6525	90	59.1	1.0
OD8038-24HHBVXE10A	24	15 ~ 26	45.6	1.90	8925	130	66.5	2.0
OD8038-24HBVXE10A	24	15 ~ 26	21.6	0.90	7400	105	62.3	1.3
OD8038-24MBVXE10A	24	15 ~ 26	14.5	0.60	6525	90	59.1	1.0
OD8038-48HHBVXE10A	48	40 ~ 52	43.2	0.90	8925	130	66.5	2.0
OD8038-48HBVXE10A	48	40 ~ 52	27.8	0.58	7400	105	62.3	1.3
OD8038-48MBVXE10A	48	40 ~ 52	24.5	0.51	6525	90	59.1	1.0



Tach Max Pullup Voltage: Fan Vcc
Tach Max Sink Current: 5mA
Tach Cycles per Rotation: 2
PWM Max High Voltage: 5V
PWM Max Sink Current: 5mA
PWM Frequency Range: 1KHz-40KHz
PWM Typical Frequency: 25KHz
RPM at 0% Duty Cycle: 0 RPM
RPM will be full speed if PWM input is disconnected.
RPM will be 0 RPM if PWM input is grounded.

Mouser Electronics

Authorized Distributor

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

Orion Fans:

[OD8038-12HBVXE](#) [OD8038-12HBVXE10A](#) [OD8038-12HHBVXE](#) [OD8038-12HHBVXE10A](#) [OD8038-12MBVXE](#)
[OD8038-12MBVXE10A](#) [OD8038-24HBVXE](#) [OD8038-24HBVXE10A](#) [OD8038-24HHBVXE](#) [OD8038-24HHBVXE10A](#)
[OD8038-24MBVXE](#) [OD8038-24MBVXE10A](#) [OD8038-48HBVXE](#) [OD8038-48HBVXE10A](#) [OD8038-48HHBVXE](#)
[OD8038-48HHBVXE10A](#) [OD8038-48MBVXE](#) [OD8038-48MBVXE10A](#)