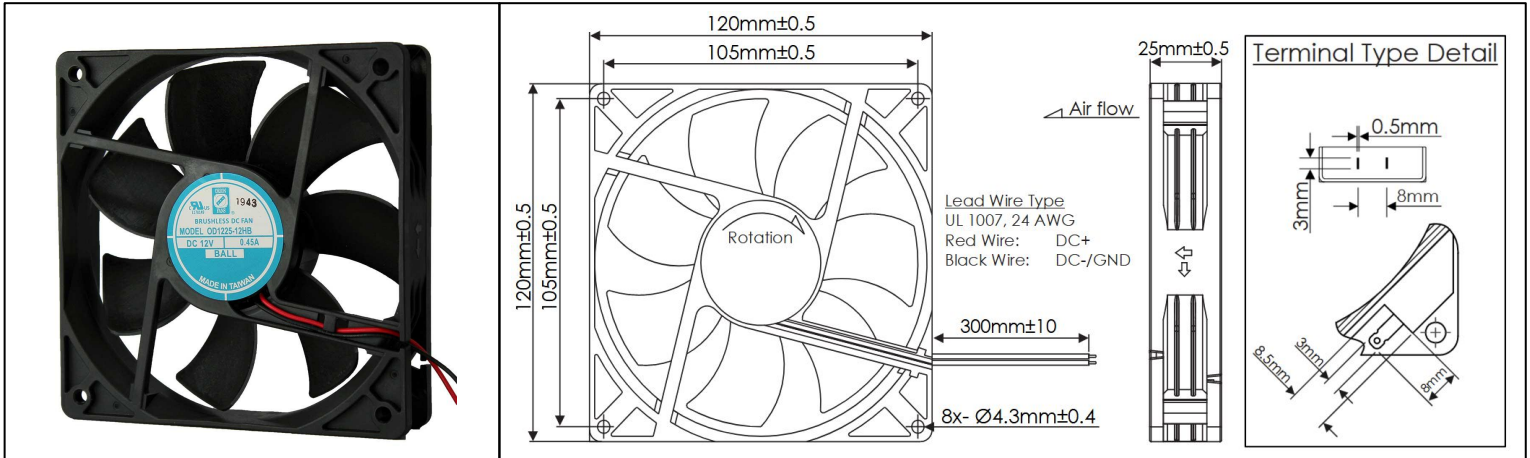


OD1225 Series



DC Fans - 12, 24, 48V
120mm x 25mm (4.7" x 1.0")



Frame	PBT, UL94 V-0 Plastic	Operating Temperature -20°C ~ +65°C Storage Temperature -25°C ~ +75°C Life Expectancy 60,000 Hours (L10 at 35°C) Available Options PWM Speed Control Input Tachometer Output Alarm Output IP Ratings Terminal Power Connection Sealed Sleeve Bearings 5 Volt Weight: 0.34 lbs.
Impeller	PBT, UL94 V-0 Plastic	
Connection	2x Lead Wires, 24 AWG, or Terminals	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	
Bearing System	Dual Ball Bearings	
Dielectric Strength	500VDC/min, <1mA	
Insulation Resistance	≥10MΩ @ 500 VDC	

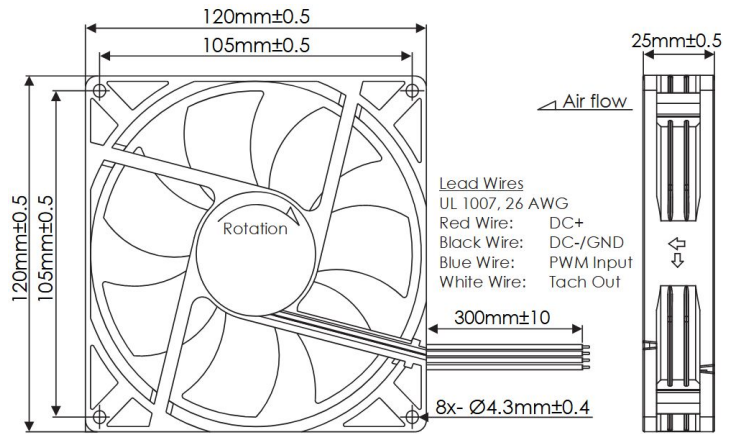
Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)(Max)	Rated Current (Amps)(Max)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H ₂ O)
OD1225-12H*B	12	8 ~ 13.8	5.4 (7.6)	0.45 (0.63)	3100	120	42	0.24
OD1225-12M*B	12	8 ~ 13.8	4.2 (5.8)	0.35 (0.48)	2500	90	35	0.19
OD1225-12L*B	12	8 ~ 13.8	2.4 (3.2)	0.20 (0.27)	1900	70	25	0.15
OD1225-24H*B	24	15 ~ 26	5.5 (7.7)	0.23 (0.32)	3100	120	42	0.24
OD1225-24M*B	24	15 ~ 26	4.1 (5.5)	0.17 (0.23)	2500	90	35	0.19
OD1225-24L*B	24	15 ~ 26	2.4 (3.4)	0.10 (0.14)	1900	70	25	0.15
OD1225-48H*B	48	28 ~ 52	4.3 (8.6)	0.09 (0.18)	3100	120	42	0.24
OD1225-48M*B	48	28 ~ 52	3.4 (4.3)	0.07 (0.09)	2500	90	35	0.19
OD1225-48L*B	48	28 ~ 52	2.9 (3.8)	0.06 (0.08)	1900	70	25	0.15

* Insert "T" for Terminal type power connection, or leave blank for Wire Lead type power connection.

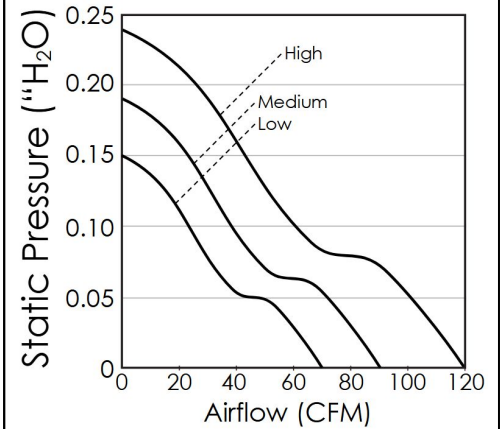
OD1225 Series with PWM and Tach



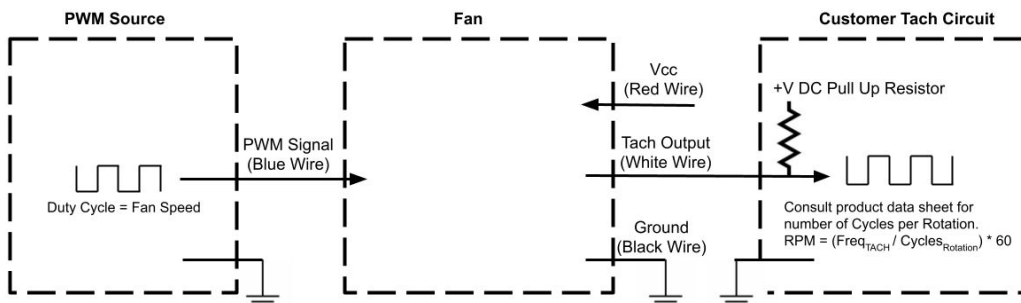
DC Fans - 12, 24, 48V
120mm x 25mm (4.7" x 1.0")



Frame	PBT, UL94 V-0 Plastic	Operating Temperature -20°C ~ +65°C Storage Temperature -25°C ~ +75°C Life Expectancy 60,000 Hours (L10 at 35°C) Installed Options PWM Speed Control Input Open Collector Tach Output Available Options 5V TTL Tach Output Weight: 0.34 lbs.
Impeller	PBT, UL94 V-0 Plastic	
Connection	4x Lead Wires, 26 AWG	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	
Bearing System	Dual Ball Bearings	
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)
OD1225-12HB10A	12	8 ~ 13.8	5.4 (7.6)	0.45 (0.63)	3100	120	42	0.24
OD1225-12MB10A	12	8 ~ 13.8	4.2 (5.8)	0.35 (0.48)	2500	90	35	0.19
OD1225-12LB10A	12	8 ~ 13.8	2.4 (3.2)	0.20 (0.27)	1900	70	25	0.15
OD1225-24HB10A	24	15 ~ 26	5.5 (7.7)	0.23 (0.32)	3100	120	42	0.24
OD1225-24MB10A	24	15 ~ 26	4.1 (5.5)	0.17 (0.23)	2500	90	35	0.19
OD1225-24LB10A	24	15 ~ 26	2.4 (3.4)	0.10 (0.14)	1900	70	25	0.15
OD1225-48HB10A	48	28 ~ 52	4.3 (8.6)	0.09 (0.18)	3100	120	42	0.24
OD1225-48MB10A	48	28 ~ 52	3.4 (4.3)	0.07 (0.09)	2500	90	35	0.19
OD1225-48LB10A	48	28 ~ 52	2.9 (3.8)	0.06 (0.08)	1900	70	25	0.15

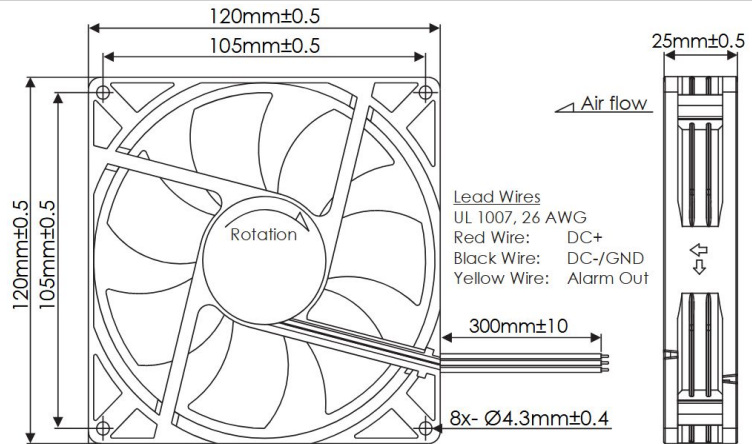


Tach Max Pullup Voltage: Fan Vcc
 Tach Max Sink Current: 5mA
 Tach Cycles per Rotation: 2
 PWM Max High Voltage: 5V
 PWM Max Sink Current: 5mA
 PWM Frequency Range: 1KHz-100KHz
 PWM Typical Frequency: 25KHz
 RPM at 0% Duty Cycle: 0 RPM
 RPM will be full speed if PWM input is disconnected.
 RPM will be 0 RPM if PWM input is grounded.

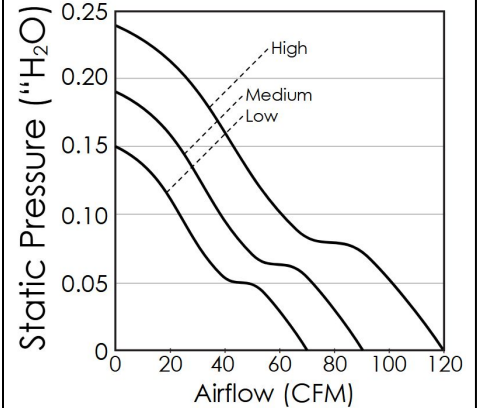
OD1225 Series with Alarm



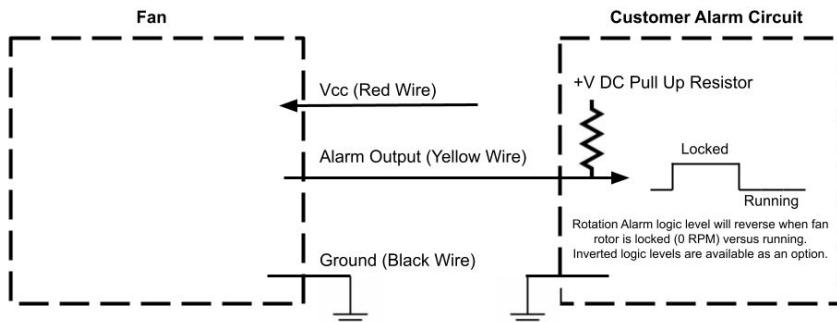
DC Fans - 12, 24, 48V
120mm x 25mm (4.7" x 1.0")



Frame	PBT, UL94 V-0 Plastic	Operating Temperature -20°C ~ +65°C Storage Temperature -25°C ~ +75°C Life Expectancy 60,000 Hours (L10 at 35°C) Installed Options Open Collector Alarm Output Available Options Inverted Alarm Logic 5V TTL Alarm Output Weight: 0.34 lbs.
Impeller	PBT, UL94 V-0 Plastic	
Connection	3x Lead Wires, 26 AWG	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	
Bearing System	Dual Ball Bearings	
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)
OD1225-12HB02A	12	8 ~ 13.8	5.4 (7.6)	0.45 (0.63)	3100	120	42	0.24
OD1225-12MB02A	12	8 ~ 13.8	4.2 (5.8)	0.35 (0.48)	2500	90	35	0.19
OD1225-12LB02A	12	8 ~ 13.8	2.4 (3.2)	0.20 (0.27)	1900	70	25	0.15
OD1225-24HB02A	24	15 ~ 26	5.5 (7.7)	0.23 (0.32)	3100	120	42	0.24
OD1225-24MB02A	24	15 ~ 26	4.1 (5.5)	0.17 (0.23)	2500	90	35	0.19
OD1225-24LB02A	24	15 ~ 26	2.4 (3.4)	0.10 (0.14)	1900	70	25	0.15
OD1225-48HB02A	48	28 ~ 52	4.3 (8.6)	0.09 (0.18)	3100	120	42	0.24
OD1225-48MB02A	48	28 ~ 52	3.4 (4.3)	0.07 (0.09)	2500	90	35	0.19
OD1225-48LB02A	48	28 ~ 52	2.9 (3.8)	0.06 (0.08)	1900	70	25	0.15



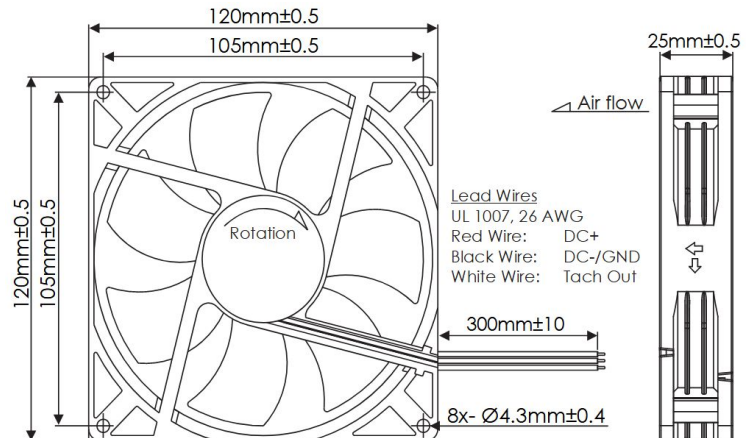
Alarm Max Pullup Voltage:
 Alarm Max Sink Current:
 Alarm Active State:

Fan Vcc
 5mA
 HIGH

OD1225 Series with Tachometer

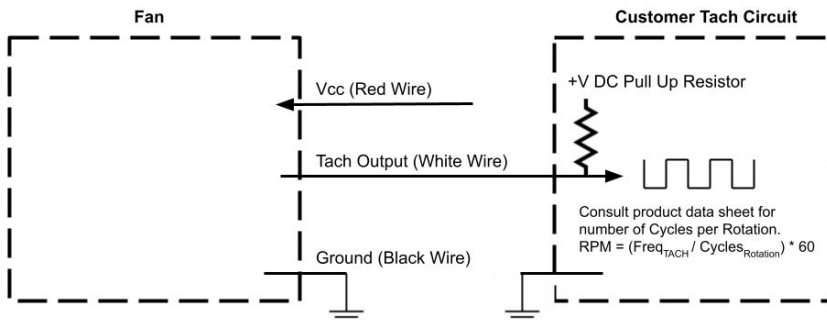


DC Fans - 12, 24, 48V
120mm x 25mm (4.7" x 1.0")



Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C	Static Pressure ("H₂O") Airflow (CFM)
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -25°C ~ +75°C	
Connection	3x Lead Wires, 26 AWG	<u>Life Expectancy</u> 60,000 Hours (L10 at 35°C)	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	<u>Installed Options</u> Open Collector Tach Output	
Bearing System	Dual Ball Bearings	<u>Available Options</u> 5V TTL Tach Output	
Dielectric Strength	500VDC/min, <1mA	Weight: 0.34 lbs.	
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)
OD1225-12HB01A	12	8 ~ 13.8	5.4 (7.6)	0.45 (0.63)	3100	120	42	0.24
OD1225-12MB01A	12	8 ~ 13.8	4.2 (5.8)	0.35 (0.48)	2500	90	35	0.19
OD1225-12LB01A	12	8 ~ 13.8	2.4 (3.2)	0.20 (0.27)	1900	70	25	0.15
OD1225-24HB01A	24	15 ~ 26	5.5 (7.7)	0.23 (0.32)	3100	120	42	0.24
OD1225-24MB01A	24	15 ~ 26	4.1 (5.5)	0.17 (0.23)	2500	90	35	0.19
OD1225-24LB01A	24	15 ~ 26	2.4 (3.4)	0.10 (0.14)	1900	70	25	0.15
OD1225-48HB01A	48	28 ~ 52	4.3 (8.6)	0.09 (0.18)	3100	120	42	0.24
OD1225-48MB01A	48	28 ~ 52	3.4 (4.3)	0.07 (0.09)	2500	90	35	0.19
OD1225-48LB01A	48	28 ~ 52	2.9 (3.8)	0.06 (0.08)	1900	70	25	0.15



Tach Max Pullup Voltage:
Tach Max Sink Current:
Tach Cycles per Rotation:

Fan Vcc
5mA
2

Mouser Electronics

Authorized Distributor

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

[Orion Fans:](#)

[OD1225-48HB](#) [OD1225-24HB](#) [OD1225-12HB](#) [OD1225PT-12HS](#) [OD1225PT-12MWB](#) [OD1225-12LB](#) [OD1225-12MS](#) [OD1225-24HS](#) [OD1225-24LB](#) [OD1225-24MB](#) [OD1225-24MS](#) [OD1225-24MTB](#) [OD1225-48LB](#) [OD1225-48MB](#) [OD1225PT-12LB](#) [OD1225-12HB02A](#) [OD1225-12HB01A](#) [OD1225-24HB01A](#) [OD1225-24HB02A](#) [OD1225-12LS](#) [OD1225-12LTB](#) [OD1225-48MS](#) [OD1225-12MTS](#) [OD1225-12MB](#) [OD1225PT-12HB](#)