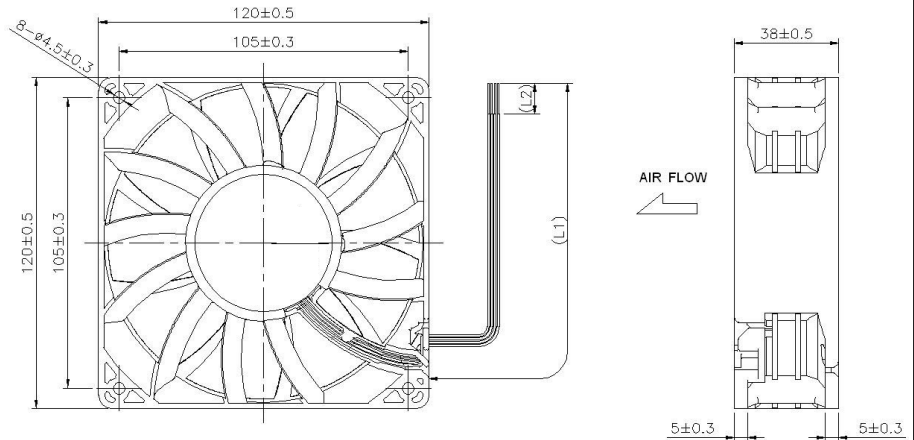


OD1238 XJ Series



DC Fan 12V

120x38mm (4.7"x 1.5")

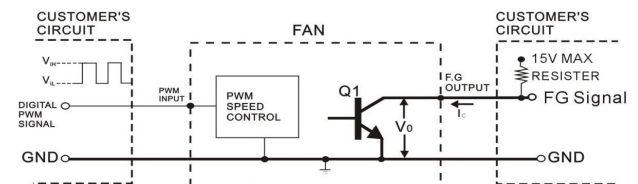


UNIT:mm

Frame & Impeller	PBT, UL94V-O plastic	Tachometer - Open Collector PWM Weight: ~ 375 g * Connection UL1007, 24AWG, ~320mm Red (+) Black (-) White Tachometer Blue PWM m1	Flow Rate (CFM) Flow Rate (CMM) <table border="1"><caption>Performance Graph Data Points (Approximate)</caption><thead><tr><th>Flow Rate (CFM)</th><th>Flow Rate (CMM)</th><th>Static Pressure (Inch-H2O)</th><th>Static Pressure (Pa)</th></tr></thead><tbody><tr><td>0</td><td>0.00</td><td>1.1</td><td>299</td></tr><tr><td>21</td><td>0.59</td><td>1.0</td><td>269</td></tr><tr><td>42</td><td>1.18</td><td>0.9</td><td>239</td></tr><tr><td>63</td><td>1.76</td><td>0.8</td><td>209</td></tr><tr><td>84</td><td>2.35</td><td>0.7</td><td>179</td></tr><tr><td>105</td><td>2.94</td><td>0.6</td><td>149</td></tr><tr><td>126</td><td>3.53</td><td>0.5</td><td>119</td></tr><tr><td>147</td><td>4.12</td><td>0.45</td><td>90</td></tr><tr><td>168</td><td>4.70</td><td>0.3</td><td>60</td></tr><tr><td>189</td><td>5.29</td><td>0.15</td><td>30</td></tr><tr><td>210</td><td>5.88</td><td>0.0</td><td>0</td></tr></tbody></table>	Flow Rate (CFM)	Flow Rate (CMM)	Static Pressure (Inch-H2O)	Static Pressure (Pa)	0	0.00	1.1	299	21	0.59	1.0	269	42	1.18	0.9	239	63	1.76	0.8	209	84	2.35	0.7	179	105	2.94	0.6	149	126	3.53	0.5	119	147	4.12	0.45	90	168	4.70	0.3	60	189	5.29	0.15	30	210	5.88	0.0	0
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Connecion	4x Lead wires *																																																		
Motor	Brushless DC, auto restart, polarity protected.																																																		
Bearing System	Dual ball bearing																																																		
Insulation Resistance	Min. 10M at 500VDC																																																		
Dielectric Strength	1 minute at 500 VAC, max leakage < 500 MicroAmp																																																		
Temperature Range	-10C ~ +70C																																																		
Storage Temperature	-40C ~ +80C																																																		
Life (L10)	70,000 hours (40C)																																																		

Part Number	OD1238-12MBXJ10A
Nominal Voltage	12V DC
Voltage Range	7 ~ 13.2V DC
Rated Current	2.30 A
Rated Power	27.6 W
Rated Speed (RPM)	5000
Airflow (CFM)	207
Noise Level (dB)	63
Max. Static Pressure	1.04" H2O

(External signal function design is decided by customer)



*TRANSISTOR Q1 AT "ON" POSITION
COLLECTOR CURRENT----- $I_C = 10\text{mA MAX}$
SATURATION VOLTAGE----- $V_{OL} = 1\text{ V MAX}$

*TRANSISTOR Q1 AT "OFF" POSITION
RELEASE VOLTAGE----- $V_{OH} = 15\text{ V MAX}$

*DIGITAL PWM SPEED CONTROL POSITION
PWM INPUT VOLTAGE HIGH----- $V_{IH} = 3\text{V} \sim 5.5\text{ V}$
PWM INPUT VOLTAGE LOW----- $V_{IL} = 0\text{V} \sim 0.5\text{V}$

*PWM INPUT FREQUENCY----- $FPWM: 18\text{KHZ} \sim 30\text{KHZ}$