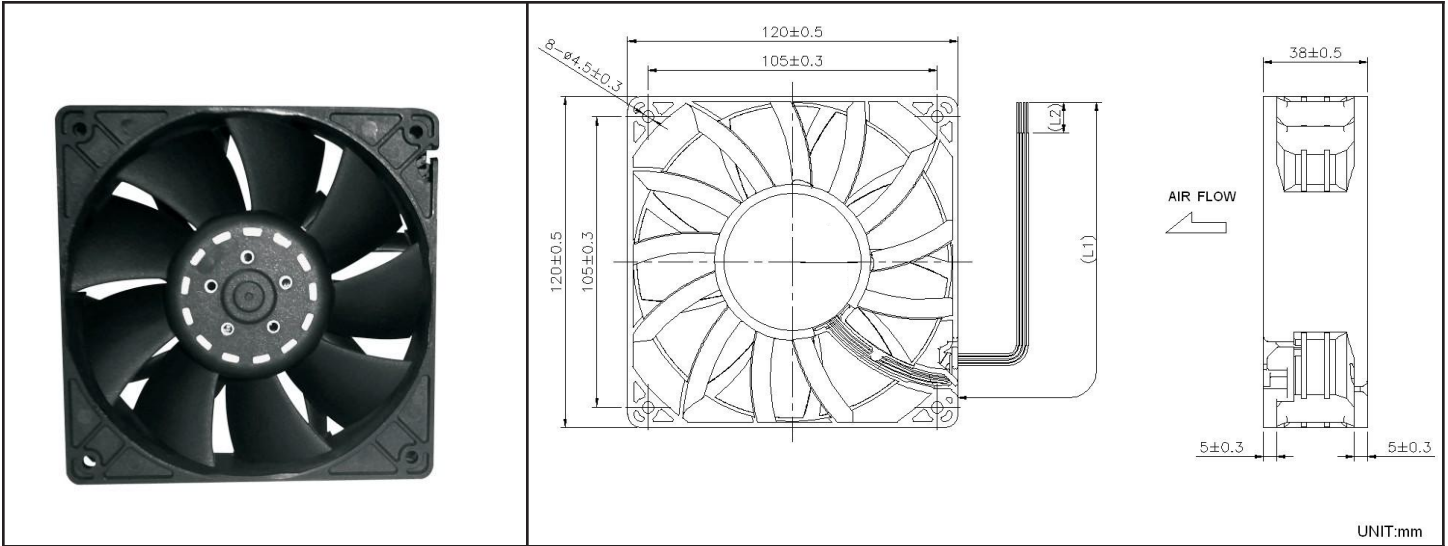


# OD1238 XJ Series



DC Fan 12V

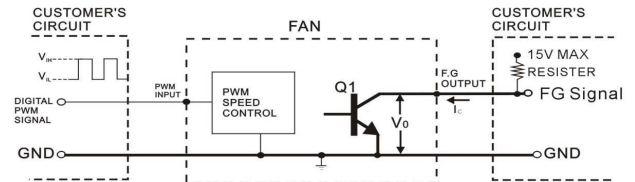
120x38mm (4.7"x 1.5")



|                       |   |   |  |
|-----------------------|---|---|--|
| Frame & Impeller      | PBT, UL94V-O plastic                            | Tachometer - Open Collector PWM<br><br>Weight: ~ 375 g<br><br>* Connection<br>UL1007, 24AWG, ~320mm<br>Red (+)<br>Black (-)<br>White Tachometer<br>Blue PWM |  |
| 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)                              | m1  |  |

|                      |                  |
|----------------------|------------------|
| Part Number          | OD1238-12HBXJ10A |
| Nominal Voltage      | 12V DC           |
| Voltage Range        | 7 ~ 13.2V DC     |
| Rated Current        | 3.70 A           |
| Rated Power          | 44.4 W           |
| Rated Speed (RPM)    | 6000             |
| Airflow (CFM)        | 250              |
| Noise Level (dB)     | 69               |
| Max. Static Pressure | 1.48" H2O        |

(External signal function design is decided by customer)



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

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

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

\*PWM INPUT FREQUENCY----- $f_{PWM}$ : 18KHZ~30KHZ