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Jameco Part Number 2099518

	SPECIFICATION FOR APPROVAL		
A			
	то :		
	REF. No.		
	APPROVED DATE 超型 77. 周波车 CHECKED DATE 研發部 踏型 77. 最世杰 PREPARED DATE 研發部 調型 77. 最世杰		
	MODEL NoAD0412UB-C51P.S		
	DESCRIPTION: DC FAN (Lead Free) REV. A		
	ID No		
	THIS OFFER IS MADE ACCORDING TO YOUR CURRENT INQUIRY. UNLESS OTHERWISE REVISED, THIS SPECIFICATION WILL BE FINAL FOR ALL FUTURE PRODUCTION OF ORDERS FROM YOUR RESPECTED COMPANY		
	KINDLY STUDY IN DETAILS AND RETURN TO US THE DUPLICATE DULY SIGNED AS YOUR CONFIRMATION OF SAME.		
	ADDA ADDA CORPORATION		

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DATA-SHEET

Engineering

RUSHLESS AXIAL COOLING FAN	Ref: (LF)
Customer :	
ADDA Model No. : AD0412U	
Samples attached : p	iece(s)
safety Approval : CE	
Specifications	
ITEM	SPECIFICATION / CONDITION
DIMENSIONS	: 40x40x20 MM
BEARING TYPE	: BALL
RATED VOLTAGE	: 12.0 VDC
OPERATING VOLTAGE RANGE	: 10.8 VDC - 13.2 VDC
	: 9.0 VDC, NOMINAL
RATED CURRENT	: 0.180 Amp. + 10% MAX
	: 2.16 Watt.
RATED SPEED	· 8500 RPM ± 10%
	(IN FREE AIR AT RATED VOLTAGE) 9.9 CFM
AIR FLOW	(TN EDEE ATP AT RATED VOLTAGE)
STATIC AIR PRESSURE	(IN FREE AIR AT RATED VOLTAGE)
NOISE LEVEL	: 36.1 dB/A
MOTOR PROTECTION	: BY IC
CONNECTION LEAD TYPE	: WIRE ,AWG#26
LIFE EXPECTANCY	: 50000 Hours at 40°C / 65%
NET WEIGHT	: 28 Gram.
PACKING	: 500 pcs. per Export Carton
Unless otherwise stated, temperature is 40°C fo	the relative humidity is 65%, and the r the standard testing.
Should you have any doub specified in the acknow	t,please refer to the environment onditions ledgement document. 705 12.27
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SPECIFICATION

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1.0 SCOPE 1.1 If the information or other related document is inconsistent with this acknowledgement document, please refer to the acknowledge document. 1.2 This documentation defines the mechanical & electrical characteristics of DC brushless fans. 1.3 The specification of this product is described in details in the acknowledgement document. No guarantee is given to our product under the use of over specifications. 1.4 For any change or amendment to the specifications, such change will be noticed in writing beforehand. 1.5 If the product is used on the MIS system, please specify the specification in the purchase order. 2.0 MATERIAL : UL94V-0 Glass Filled polyester (P.B.T) 2 · 1 Frame : UL94V-0 Glass Filled polyester (P.B.T) 2 · 2 Fan Blade) Sleeve, oil impregnated. · 3 Bearing Sys. : Two Ball Bearing One Ball one Sleeve Hypro Bearing FDB Bearing YES Lead Free DIMENSIONS & CONSTRUCTION 3 - 0 All dimensions, Direction of rotation and air flow were specified as per drawing attached. 4 · 0 CHARACTERISTICS & DEFINITION 4 · 1 All rated characteristics were specified as per data sheet enclosed, 4 · 2 Rated Current : Rated Current shall be measured after 3 minutes of continuous rotation at rated voltage. 4 · 3 Rated Speed : Rated Speed shall be measured after 3 minutes. of continuous rotation at rated voltage. : The voltage which is able to start the fan to operate by 4 · 4 Start Voltage suddenly switching 'ON '. : Input Power shall be measured after 3 minutes of 4 · 5 Input Power continuous rotation at rated voltage. 4 · 6 Locked Rotor Current : Locked current shall be measured within one minute of rotor locked, after 3 minutes of continuous rotation at rated voltage in clean air. 4 · 7 Air Flow & Static Pressure : The air flow data and static pressures should be determined in accordance with AMCA standard or DIN24163 specification in a doublechamber testing with Intake - side measurement. 4 · 8 Noise Level : The measurement of noise level is carried out with reference to CNS8753 in an echoic chamber with the microphone positioned 1 meter from the air intake. Testing fan shall be hung in clean air. NOISE LEVEL MEASUREMENT Fan Mic. Direction of air flow 2005 12 1 mtr.

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SPECIFICATION

5.0 MECHANICAL INSPECTION

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5.1 Rotation Direction
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Clockwise with label side facing up. The same direction also indicated by an arrow mark on one side of the housing.

5.2 Protection

All fans have integrated protection against locked rotor condition so that there will be no damage to winding or any electronic component.

Restarting is automatic as soon as any constraint to rotation has been released. As fan placed at dead angle position, and the switch was changed from off to on. Restarting was automatic normal as soon as and proved that this fan is good fan.

5.3 Locked Rotor Protection

No damage shall be found after 72 hours continuously at condition of rotation locked. Restarting is automatic as soon as constraint to running has been released.

5.4 Avoid the damage, check the correct voltage and proper polarity before connecting with power.

5.5 Free Drop Shock

In minimum package condition, the fan should withstand drops on any three faces from a height of 30cm onto a wood board of 10mm thick.

5.6 Please do not stick a grease and/or an oil to the fan housing or blade which may have a harmful influence by a chemical reaction at high humidity.

5.7 If the fan is reinstalled, please pay special attention to the noise due to the vibration (or resonance).

5.8 During the testing of the fan, please make sure the finger guard is used for safety.

6.0 ELECTRICAL INSPECTION

6.1 Insulation Resistance

Not less than 10M ohm between housing and positive end of lead wire (red) at 500V DC.

6.2 Dielectric Strength

No damage should be found at 500 VAC for 60 seconds, measured with 1mA trip current between housing and positive end of lead wire.

6.3 Life Expectancy

The continous duty life at given temperature after which, 90% of testing units shall still be running.

6.4 While the fan is running, do not intentionally lock the fan for a long time since the overheating of the motor produced by the long-time locking will damage the fan.

7.0 ENVIRONMENTAL

7.1 Improper use such as disassembling the fan, being covered with dust, or dipping the fan in water that results in defects is not covered in the warranty. Do not use the fan in the environment with corrosive air or liquid.

7.2 Operating Temperature / Humidity

-10°C to +70 at humidity 65%+/-20% RH.

7.3 Storage Temperature

All function shall be normal after 500 hours storage at -40°C to +70 °C with a 24 hour recovery period at room temperature.

7.4 Humidity

After 96 hours, 95% RH, 40+/-2°C per MIL-STD-202F, method 103B humidity test, the measured data on insulation resistance and dielectric strength shall meet the specification.

7.5 Do not place or store the fan in the environment with high/low temperature/humidity. Do not store the fan for over 6 months; even if the fan is stored in room temperature for over 6 months, the fan may have the electric current leakage.

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SPECIFICATION

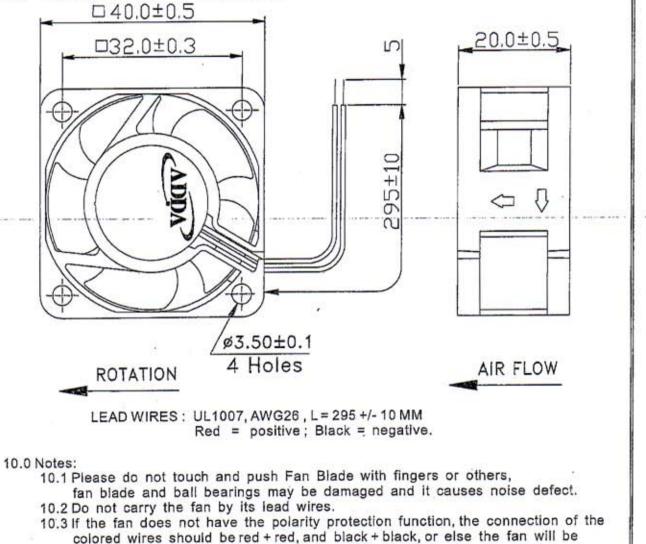
8.0 REMARKS

8.1 Material and construction are subject to change without advance notice. The changes should be within specification.
8.2 All fans shall meet the guality inspection under sampling

plan MIL-STD-105E as follow:

Critical	0.25%	
Major	1.00%	
Minor	2.50%	

9.0 OUTLINE STYLING & DIMENSIONS



damaged in no time.

10.4 For the models without reverse connection of polarity protection please do not connect the lead wire in reverse

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