SPECIFICATION FOR APPROVAL
MODEL NO. : AD0512HB-G70 P.S. (BT1)
DESCRIPTION :
SPEC NO. : SA-0120171113013
ISSUE DATE : 2019.10.07
REVISION : <u>A02</u> 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.
 一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一
ADDA ADDA CORPORATION

Revised Record					
Rev.	Revision Description	Change page	Date		
A00	Preliminary	_	2017.11.17		
A01	POLARITY PROTECTION改為NO	1/5	2018.10.15		
A02	更新,追加10.11	4/5	2019.10.07		
	藏藏股份有定				
	^樂 研發處 ¹				
	2019.10.07				
	發行章				

DATA-SHEET

Engineering

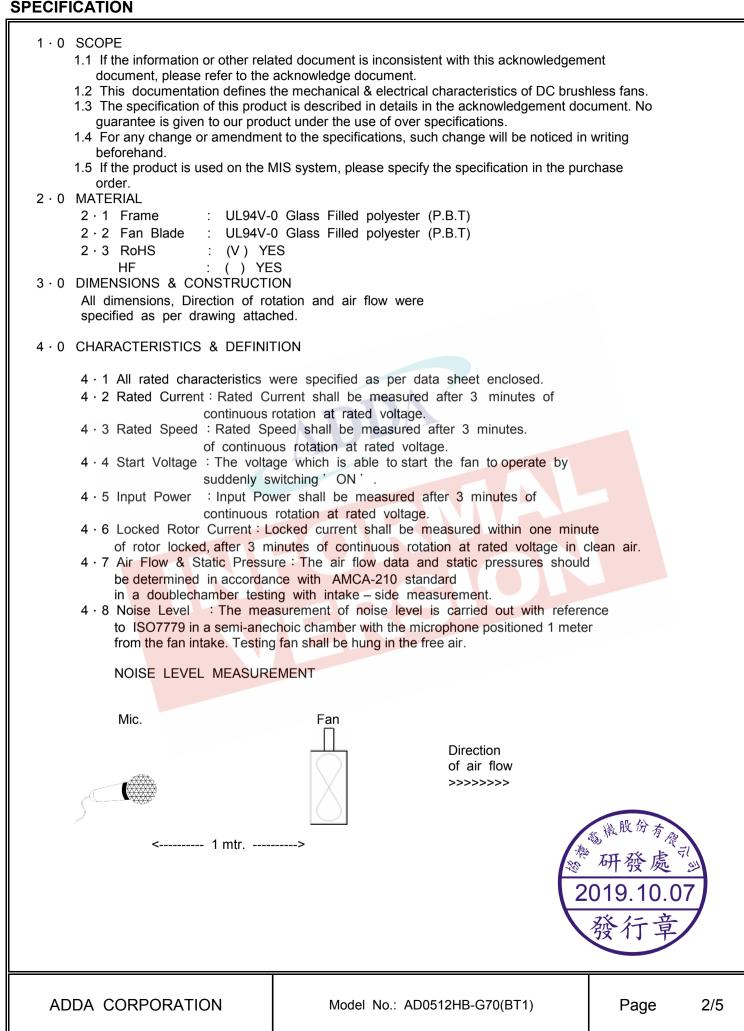
Printed On:

19/10/07

BRUSHLESS AXIAL COOLING FANS

Customer	:	Ref: (RoHS)			
Adda Model No	: AD0512HB-G70(BT1)				
Samples attached	: Piece(s),				
Safety Approval	: UL,CUL,TUV,CE	TUV:EN 60950-1:2006+A11+A1+A12+A2 UL:UL507 CE:EN 61000-6-1:2007 EN 61000-6-3:2007+A1			
Specifications					
ITEM	SPECIFICATION / CONDITION				
DIMENSIONS	: 50x50x10 mm				
BEARING TYPE	: TWO BALL				
RATED VOLTAGE	: 12.0 VDC				
OPERATING VOLTAGE RANGE	: 10.8 VDC - 13.2	VDC			
START-UP VOLTAGE	: 9.0 VDC , NORMAL				
REAL CURRENT	: 0.07 Amp				
REAL POWER	: 0.84 Watt				
RATED CURRENT	: 0.15 Amp + 10	%MAX			
RATED POWER	: 1.80 Watt				
RATED SPEED	: 5000 RPM ± 15	%			
	(IN FREE AIR AT RATE	D VOLTAGE)			
AIR FLOW	: 10.300 CFM (min.: 8.755	CFM)			
AIR FLOW	: 0.291 CMM (min.: 0.247	CMM)			
	(IN FREE AIR AT RATE	D VOLTAGE)			
STATIC AIR PRE <mark>SSURE</mark>	: 0.100 Inch H ₂ O (min.:	0.072 Inch H ₂ O)			
STATIC AIR PRES <mark>SURE</mark>	: 2.540 mm H ₂ O (min.:	1.835 mm H ₂ O)			
	(IN FREE AIR AT RATE	D VOLTAGE)			
NOISE LEVEL	: 30.4 dB (A) (max.: 34.4	dB(A))			
MOTOR PROTECTION	: BY IC				
POLARITY PROTECTION	: NO				
CONNECTION LEAD TYPE	: WIRE, AWG# 26				
LIFE EXPECTANCY	: 70000 Hours at 40° C	/ 65% RH			
NET WEIGHT	: 18 Gram.				
PACKING	: 480 pcs. Per Export Carton.				
Unless otherwise stated, the relative humidity is 65%, and the temperature is 25℃					
for the standard testing.		2019 10 07			
Should you have any doubt, please refe acknowledgement document.	er to the environmental conditions specified ir	the 發行章			
ADDA CORPORATION	Model No.: AD0512HB-G70(BT1)	Page 1/5			

SPECIFICATION



5.0 MECHANICAL INSPECTION

5.1 Rotation Direction

Counterclockwise when look into impeller side.

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°C at humidity 65%+/-20% RH.
- 7.3 Storage Temperature

All function shall be normal after 500 hours storage at -40° to +70 $^{\circ}$ with a 24 hour recovery period at room temperature.

7.4 Humidity

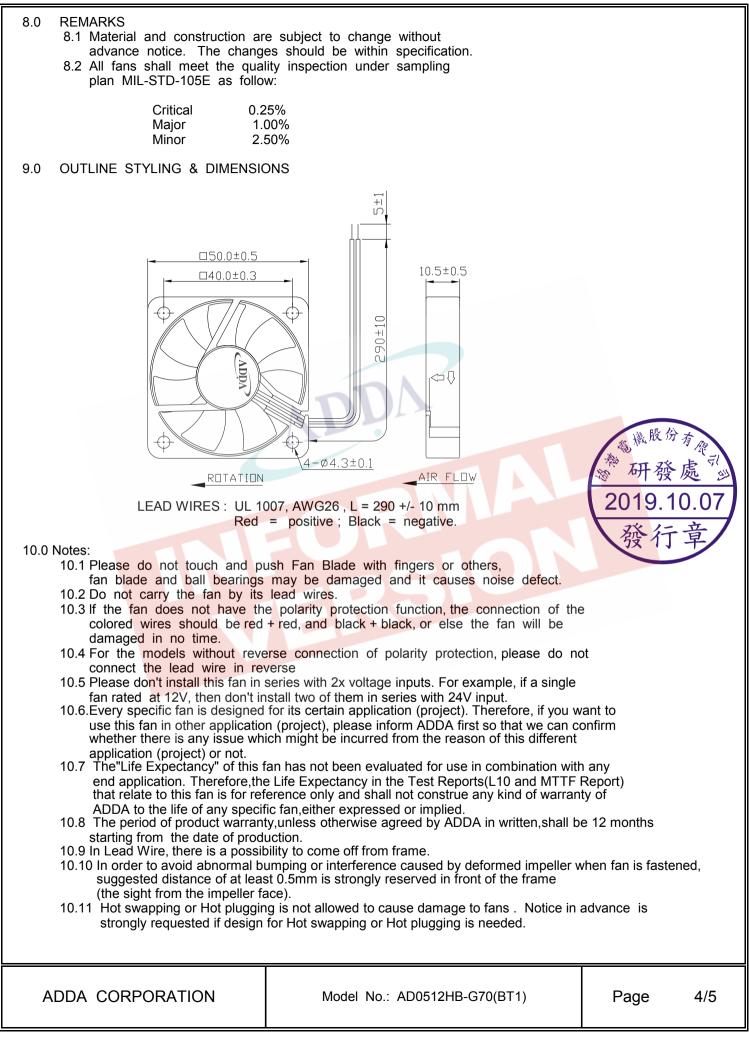
After 96 hours, 95% RH, 40+/-2°C per MIL-STD-202F, method 103B humidity test, the measured data on insulation resistance and dielectric strength shall meet the specificaiton.

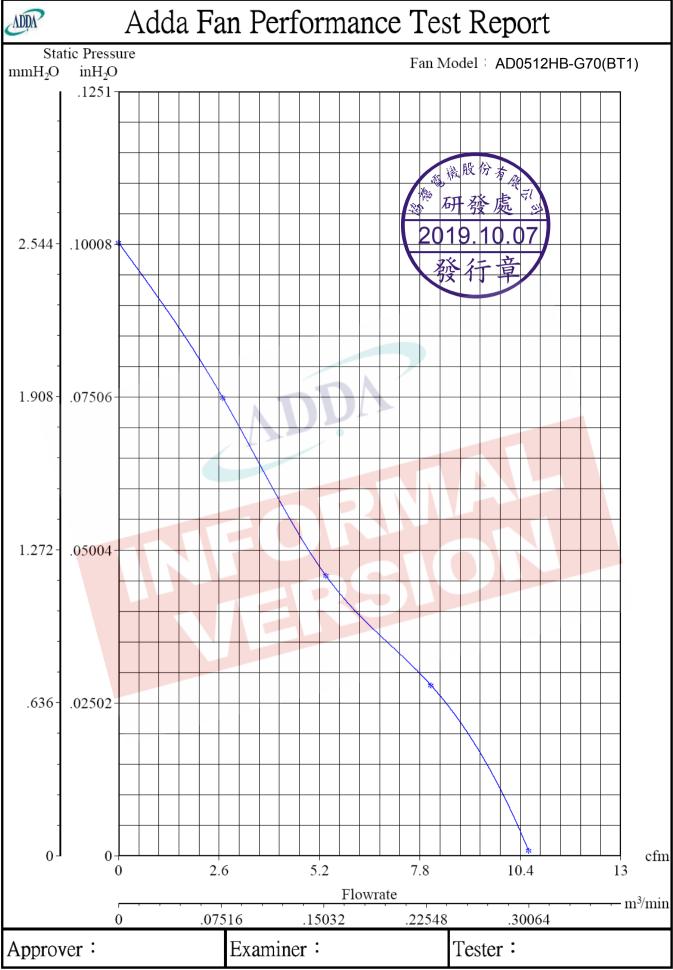
7.5 Do not place or store the fan in the environment with high/low temperature/humidity. If the fan is stored for more than 6 months, functional test is highly recommended before using.



ADDA CORPORATION

SPECIFICATION





PrintOut: 2009-08-13 13:51:19

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for DC Fans category:

Click to view products by ADDA manufacturer:

Other Similar products are found below :

 614R
 AUB0612L
 AFB0948HH-S687
 G2E085-AA05-10
 4318/12T
 AUB0912H-F00
 3412N/2ME
 W2G110-AM39-01
 8412GLV
 8412NGL

 12
 6448-384
 4114N/17-251
 4318/2R
 4412F/2D
 424JMU
 4414/2HH
 4112 N/12GL-175
 9GA0912F402
 9GA0812B20011

 AFB0824SHBAV1
 DV5214/2NP-230
 9GA0912H4021
 THC1548MGDJJ
 9GA0812B2001
 GFB1224SHG
 8500NU
 9WG1212E101-E

 3241.124
 DC0401012V2B-3T0
 ASFP14391
 ASFP64391
 ASFP84391
 ASFP92391
 9A0612G402
 AD5012HB-C71

 AD5012MB-C71
 ASFP84372
 ASFP64372
 31100-000440-RS
 ASFP14372
 ASFP16371
 ASFP16371
 ASFP42770
 ASFP44770

 ASFP64392
 ASFP82392
 ASFP92391
 SASFP40770
 ASFP42770
 ASFP44770