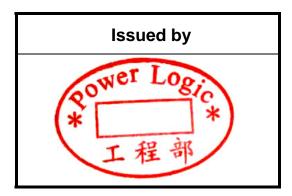


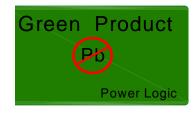
Approval Sheet

Customer:	Kontron
Customer P/N:	
Model No.:	PLA07010B12H-F
Lead Wire & Connector:	2.54 white 3pin(black,red,white) *265mm AWG28(divided) add PVC tube 210mm





Please send one copy of this specification back after you signed approval for production pre-arrangement.



Doc. No.:	20101230006	Approved by	Audited by	Inspected by	Prepared by		
Issued Date:	30 th December.,10	- BP	F 3 8	ホホン	郭叶红		
Version:	A0	030	贝孔圭	李少兵	41.1 2-		
Taiwan HQ': Tel: +886-2-82263300 Fax: +886-2-82263322							

Tel: +886-2-82263300 Taiwan HQ':

: Tel: +86-769-83550800~10 Fax: +86-769-83550811 Plant

Data Sheet - DC Brushless Fan

Model No.:	PLA07010B12H-F	Sample Attached:	pcs				
Safety Approvals:	TUV, UL, CE (See the atte	TUV, UL, CE (See the attachments)					
SPECIFICATION							
<u>ltem</u>	<u>Unit</u>	Specification	<u>Condition</u>				
 Dimension 	mm	See dimensions drawing	g				
• Bearing Type		2 ball					
Rated Volt	Volt	12.0					
 Operating Voltage 	Volt	6.0~13.8					
 Start-up Voltage 	Volt	6.0(On/Off)	Nominal				
• Rated Current	Amp	0.30(0.35Max)	At rated Volt				
Power Consumption	n Watt	4.20(Max)	At rated Volt				
• Rated Speed	RPM	3500±10%	At rated Volt				
• Max. Air Flow	CFM	N/A	At zero static pressure				
• Max. Static Air Press	ure mm-H ₂ 0	N/A	At zero air flow				
• Noise Level	dBA	29.90(Max)	At rated Speed				
• Motor Protection		Reversed Polarity					
• Other Features	Tacho Signal	Yes					
	Auto-restart	No					
	Thermal Control	No					
	PWM Control	No					
	VR Control	No					
	RD signal Control	No					
	Build-in LED						
 Connection Lead Ty 	vpe Lead Wire	265mm UL1007AWG28					
	Housing	2.54	Alternative				
• Life Expectancy	Hours	110000	40°C (I10)				
 Net Weight 	Gram	18.3g/pcs (w/o Connecto	or) Ref				

Notes

)*10mm 10mm)*20mm
)*09mm)*12.5mm)*10mm 10mm)*15mm
)*20mm)*25mm)*38mm
5*30mm 0*18mm 2*37mm 1*78mm
51mm 37mm 44mm
earing(Label)

**** Rotate speed upon customer's request. ****

**** Lead wire length and connector upon customer's request. ****

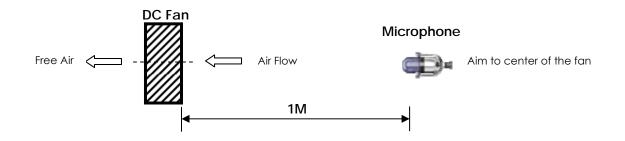
Notes

1. Characteristics Definition:

- Rated current, rated speed and rated input power shall reach bottom line of specification after 3 minutes continuous rotation at rated voltage and reach standard specification after 5 minutes continuous at rated volt.
- \cdot Starting voltage is the least voltage that enables to start the fan by sudden power on.
- · Operating temperature at -10°C ~+70°C. Storage temperature at -30°C ~+85°C.
- Environment humidity at 10%(RH) 45 $^\circ C$ for 24 hours & 98% (RH) 45 $^\circ C$ for 24 hours.
- Insulation resistance at least 10M Ω at 500VDC between frame and both lead wires.
- Dielectric strength withstands 500VAC 1 minute 1mA between housing and both lead wires.
- · Life expectance (MTTF) continuous operation at rated voltage and normal temperature & humidity.
- Connector will not be any broken at 0.5Kg for 15 seconds per piece.
- · Lock test at least 72 hours. Fans work in normally after locked released.

2. Acoustic Sound Level Test Descriptions:

· At rated voltage in sound proof room background noise: testing criteria correspondent to ISO779



3. Others:

- We, Power Logic, will not guarantee the products if the applications of our products are exceeded the limitation which is specified on this specification.
- In case of changes of the specification specified on this document. A written notice is requested in advance.
- Please do not touch the impeller with the pressure and never bring the fan with lead wire. The bearing and lead wire may be damaged.
- No guarantee on the products against the safety problem or failure caused by powder dust, drop of water or insect.
- If there is any data or related documentation different from this data sheet. This data sheet is the principle reference.
- · Please do not use the fan in the environment of corrosive gas or liquid or any detrimental gas.
- Please do not store the fan in the environment of high/low temperature, high humidity or detrimental gas. Please store within six months, every six months, shall be a leakage of electric current to the fan, even though the fan is stored in room temperature.
- During the installation of the fan, please pay substantial attention to possible notice caused by resonance vibration and shock.
- It is very important to notify that avoid to drop from 0.6 meter height when in any movement or operation, it will impact the balance of blade. Especially ball bearing structure is avoided to drop down.
- The torque of the screw which locked the frame should not exceed 2.5Kg/f.
- · All of test instruments should contact smoothly on the ground otherwise will cause fan interference or damage.
- Please be careful that revolution signal lead wire shall not have any voltage directly applied. It should damage inner circuit.
- Noise:Static listen at three sides, there is not any sound except the cutting wind sound.
- Not all fans are provided with the lock rotor protection feature, If you impair the rotation of the impeller for the fans that do not have this function, the performance of those fans will lead to failure.
- It is important to consider safety when testing the fans. A suitable fan guard should be fitted to the fan to guard against any potential for personal injury.
- Except where specifically stated, all tests are carried out at relative (ambient) temperature and humidity conditions of 25°C, 65%. The test value is only for fan performance itself.
- Be certain to connect an"over 4.7UF" capacitor to the fan externally when the application calls for using multiple fans in parallel, to avoid any unstable power.

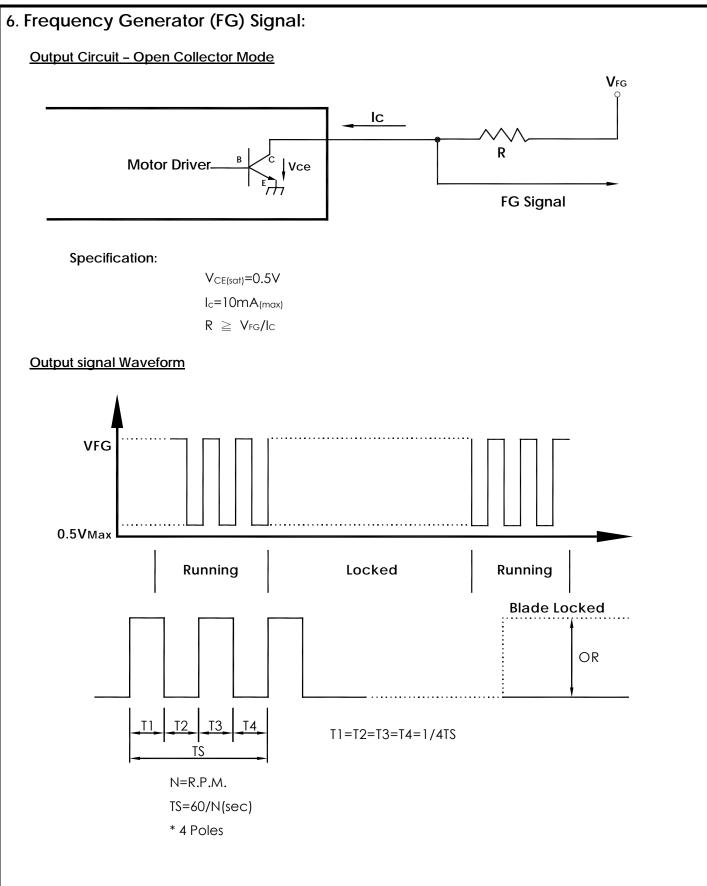
Notes

4. Ma	4. Major Material List									
<u>item</u>	Major Component	Material & Specification	<u>Grade</u>	<u>UL NO.</u>	<u>Remark</u>					
1	Fan Frame	Plastic	94V-0	E59481	7010 black tripod					
2	Fan blade	Plastic	94V-0	E59481	7010 black blade					
3	Shaft	Stainless steel (SUS420F /SUS420J2)								
4	Bearing	2 ball bearing								
5	Rubber magnet	Strontium ferrite		E202461						
6	Silicon steel strip	(H23)								
7	Enameled copper wires	Material & Specification 0.04 ~ 0.80mm	2UEW/2 UEW-F	E229423 E225143 E196473						
8	Printed Circuit Board	Wiring printed single layer board	94∨-0	E317342 E317642 E78022						
9	Lead wires	Polyvinyl Chloride enameled copper wires	94V-0	E170689 E204204						
10	Label	White Polyester								
11	Connector housing	2.54	94V-0							

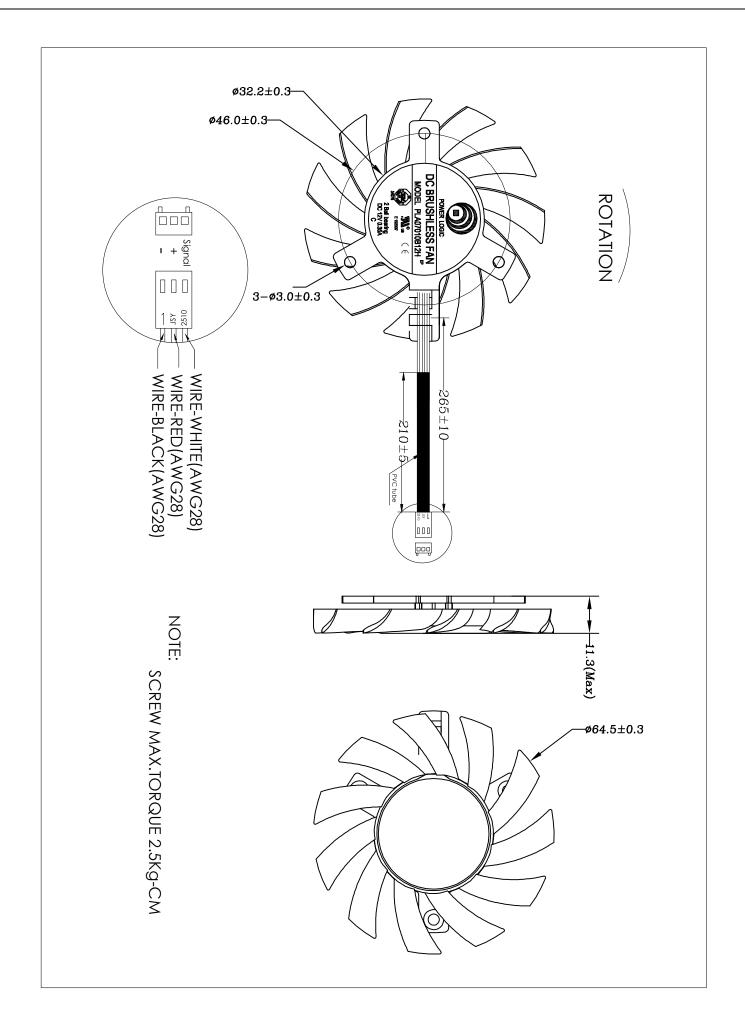
5. The Criteria of Content of Above Mentioned Material As Below:

<u>Seq.</u>	Material / Substance	Material / Substance Standard Reference			
1	Pb	RoHS	< 1000ppm		
2	Hg	RoHS	< 1000ppm		
3	Cd	RoHS	< 100ppm		
4	Cr VI	RoHS	< 1000ppm		
5	PBB	RoHS	< 1000ppm		
6	PBDE	RoHS	< 1000ppm		

Notes



lower Logic



Product MTTF Report Power Logic Tech.(Dong Guan) Inc.

DC FAN LIFE EXPERIMENT REPORT

Experiment Name: 70°C Accelerative Aging Test Model: PLA07010B12HF Sampling Q'ty: 56pcs

RequiredTest	Date for Test Beginning	Date for Test	Failure	Current Total Test
Time(Hrs)		Termination	(PCS)	Time (Hrs)
5568	2009.8.5	2010.3.25	0	5568

According to the equation for Weibull distribution,

MTTF=7*L10

And we rely on a zero failure Weibull test strategy and accelerated testing technique, to determine the total test time(t) for verifying the above life estimation by the equations,

$$t = 1.036*MTTF*[(B_{r;c}) \div n]^{0.91} \div A_F$$

(A_F = 2^{(Ts-Tu)/10})

where, $(B_{r,c})$ is Poisson distribution factor with the failure number of equal to 0 and the decimal confidence level of equal to 90%.

Stress/elevated Temperature Ts(°C) (Actual Test Temperature)	Unstress Temperature Tu(℃)	Acceleration Factor (A _F)		Quantity of Test Devices n(pcs)	Poisson Distributi on Factor B _{r;c}	Required test time with zero failure t(Hrs)	Actual test time with zero failure t(Hrs)	time with Verified MTTF zero failure 40°C (Hrs)		Verified L10 40℃ (Hrs)		
70	40		8	56	2.3026	5568	5568	784	784624 112089		089	
Poisson Distribution					Number	r of Failu	re					
Factor	0	1	2	3	4	5	6	7	8	9	10	
90%	2.3026	3.8897	5.3223	6.6808	7.9936	9.2747	10.532	11.77	12.994	14.206	15.406	
Temperature for MTTF Estimation (°C)	Accelerati on Factor A _F	Estima	ated MTTF (Hrs)	Estimated L10 (Hrs)	900000 800000 700000 600000 500000	00000 784624						
40°C	8.00	7	84624	112089	400000		392312					
50°C	4.00	3	92312	56045	300000 200000		138290	9807 8				
55°C	2.83	2	277561	39652	100000		89 • - 56045 •	9				
60°C	2.00	1	96156	28022	0 0	40°C	50°C 55°	C 65°	- 			
65°C	1.41	1	38290	19756			500 55	00.	0 05	0 10	70 C	
70°C	1.00		98078	14011		erature						
Fan permissi												
1.For current, the allowable descrease is less than 15%.Evaluate												
2.For speed,the allowable descrease is less than 15%.3.For noise,the limit is less than spec.(max.).+3dB						A	ccept		Reje	ect		

Approved: George Fan

Audit: Skying Liu

Inspection: Hu Dong qin

TUV - Certificate



CERTIFICATE

No. B 10 12 34076 089

Holder of Certificate: Power Logic Technology Inc. 6F-2, No.16, Jian 8th Rd., 23511 Jhonghe City, Taipei County,

TAIWAN

Certification Mark:



Product:

Component fan

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.:

6121010172001

(Bill Lin)



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Date, 2010-12-16 Page 1 of 3

TÜV SÜD Product Service GmbH · Zertifizierstelle · Ridlerstraße 65 · 80339 München · Germany



Product Service

TUV - Certificate

CERTIFICATE

Model(s):

No. B 10 12 34076 089



	PLD08010 Series, PLD09225 Series, PLD11142 Series, PLD11144 Series	
	Difference :	
	Model Example: PL D 05010 S 12 HH -4	
	X1 X2 X3 X4 X5 X6 X7	
	X1 - Manufacturer code	
	X2 - Fan Type "D": Dish Fan	
	X3 - Fan Dimension	
	05010: d: 50mm x 10mm 06010: d: 60mm x 10mm	
	08010: d: 80mm x 10mm	
	09225: d: 92mm x 25mm 11142: 110 mm x 142.5mm	
	11444: 110 mm x 144mm	
	X4 - Bearing Type	
	"S": Sleeve type "B": Two ball bearing	
	"D": One ball bearing	
	X5 - Input Voltage "12": 12Vdc	
	X6 - Motor Speed	
	"HH": Ultra high speed "H": High speed	
	"M": Middle speed	
	"L": Low speed	
	X7 - Series No. Can be -4, -1 or blank	
Parameters:	Rated input voltage:	12 Vdc
	Rated input current:	See attachment
	Protection class: Max. ambient temperature:	III 40 °C
	Degree of protection	40 0
	against ingress of liquids:	Ordinary
	Remark: When installing,all requirements of bel	ow
	mentioned test standards must be fulfilled.	
Tested		
	EN 60950-1/A1:2010	
according to:		
Production	68992	
Facility(ies):		
Page 2 of 3 Bill X-		
Run A-	-	
TUV SUD Product Service GmbH	Zertifizierstelle · Ridlerstraße 65 · 80339	München - Germany
	Page 9	
	1 460 >	

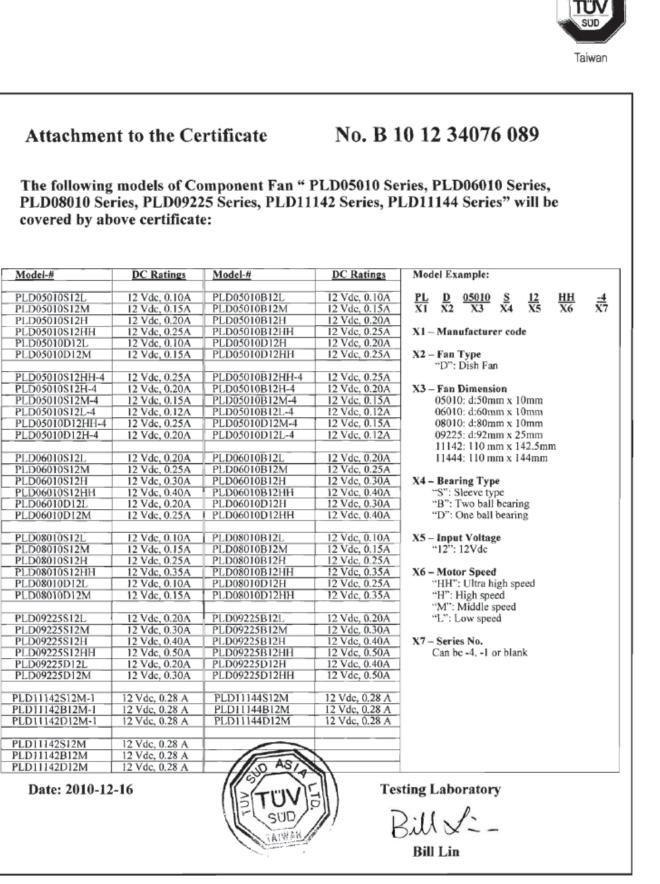
PLD05010 Series, PLD06010 Series,



Product Service

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TUV - Certificate



UL - Certificate

GPWV2.E192307 - Fans, Electric - Component

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GPWV2.E192307 Fans, Electric - Component

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Fans, Electric - Component

See General Information for Fans, Electric - Component

POWER LOGIC TECHNOLOGY INC 7TH FL-5 128 SHIH-CHIEN RD PANCHIAO, TAIPEI HSIEN 220 TAIWAN E192307

AC fans, Models PLA04010S230L, PL40S230L, PLA04010S120L, PL40S120L, PLA04010S120L-1, PL40S120L-1, PL40S120L-2, PL40S120L-2.

Models PL40S120LL, PLA04010S120LL.

DC fans, Models PLA08015(X)12(U), PL81(X)12(U), PLA08015(X)24(U), PL81(X)24(U), where (X) may be S, B or D, (U) may be H, M or L.

Models PLA06010(X)12(Y), PL61(X)12(Y), PLA06010(X)24(U), PL61(X)24(U), PLA07015(X)12(Y), PL71(X)12(Y), PLA07015(X) 24(U), PL71(X)24(U), PLA07025(X)12(U), PL70(X)24(U), PLA12025(X)12(U), PL12(X)12(U), PLA12025(X)24(V), PL12(X)24(V), where (X) may be S, B or D, (Y) may be HH, H, M or L, (U) may be H, M or L, (V) may be M or L.

Models PLA04010(X)05(Y), PL40(X)05(Y), PLA04010(X)12(Y), PL40(X)12(Y), PLA05010(X)05(Z), PL50(X)05(Z), PLA05010(X)12 (U), PL50(X)12(U), PLA08025(X)12(U), PL80(X)12(U), PLA08025(X)24(U), PL80(X)24(U), PLA09225(X)24(U), PL92(X)24(U), PLA09225(X)12(V), PL92(X)12(V) where (X) may be S, B or D, (Y) may be HH, H, M or L, (Z) may be H or M, (U) may be H, M or L, (V) may be M or L.

Models PLA04020(X)05(Y), PL42(X)05(Y), PLA04020(X)12(Y), PL42(X)12(Y), PLA06015(X)12(Y), PL60(X)12(Y), PLA06015(X)24 (Y), PL60(X)24(Y), PLA04009(X)05M, PL49(X)05M, PLA04009(X)12M, PL49(X)12M, where (X) may be S, B or D, (Y) may be HH, H, M or L.

Models PLA05015(X)12(V), PL51(X)12(V), PLA05015(X)24(V), PL51(X)24(V), PLA06015(X)12(U), PL60(X)12(U), PLA06015(X) 24(U), PL60(X)24(U), PL60(X

Models PLA12038(X)12(U), PL13(X)12(U), PLA12038(X)24(U), PL13(X)24(U), PLA12038(X)48(Z), PL13(X)48(Z), PLA02506(B) 05(U), PLA5(B)05(U), PLA02506(B)12(U), PL25(B)12(U), PLA08025(X)12(Y)-2, PL80(X)12(Y)-2, PLA08025(X)12(Y)-4, PL80(X) 12(Y)-4, PLA04710(X)05(U), PLV4(X)05(U), PLA04710(X)12(Y), PLV4(X)12(Y), where (X) may be S, B or D, (B) may be B or D, (Y) may be HH, H, M or L, (U) may be H, M or L, (Z) may be H or M.

Models PLA08025(X)12HH, PL80(X)12HH, PLA12038(X)12HH, PL13(X)12HH, PLA12038(X)12HH PWM, PL13(X)12HH-PWM, PLA06020(X)12(Y), PL62(X)12(Y), PLA06020(X)24(Y), PL62(X)24(Y), PLA06025(X)12(Y), PLA05025(X)24(Y), PLA05025(X)24(Y), PLA05025(X)12(Y), PLA05025(X)12(Y), PLA05025(X)12(Y), PL30(X)12(Y), PL30(X)24(Y), PL30(X)24(Y), PL30(X)24(Y), PL30(X)24(Y), PL30(X)24(Y), PL30(X)24(Y), PL30(X)24(Y), PL30(X)24(Y), PL30(X)24(Y), PL30(X)12(Y), PL30(X)12(Y), PL30(X)12(Y), PL30(X)12(Y), PL30(X)12(Y), PL30(X)12(Y), PL30(X)12(Y), PL30(X)12(Y), PL30(X)12(Y), PL30(X)05(U), PL30(X)05(U) series, where (X) may be S, B or D, (Y) may be HH, H, M or L, (U) may be H, M or L.

Models PLA04010(X)05(Y)-1, PL40(X)05(Y)-1, PLA04010(X)12(Y)-1, PL40(X)12(Y)-1, PLA04010(X)24(Y)-1, PL40(X)24(Y)-1, PLA04010(X)24(H-2, PL40(X)24(H-2, PLA04020(X)12(Y)-1, PL42(X)12(Y)-1, PLA05010(X)12(U)-1, PL50(X)12(U), PLA05015 (X)12H, PL51(X)12H, PL51(X)12H

Models PLA04010(X)05(Y)-2, PL40(X)05(Y)-2, PLA04010(X)12(Y)-2, PL40(X)12(Y)-2, PLA04010(X)12LL, PL40(X)12LL, PL40(X)12LL, PL407015(X)24HH-1, PL407015(X)24HH-1, PL407015(X)24HH, PL409225(X)12(U)-1, PL92(X)12(U)-1, PL409225(X)

UL - Certificate

GPWV2.E192307 - Fans, Electric - Component

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24(U)-1, PL92(X)24(U)-1, where (X) may be S, B or D, (Y) may be HH, H, M or L, (U) may be H, M or L.

Models PLA02510(X)05(U), PL20(X)05(U), PLA02510(X)12(U), PL20(X)12(U), PLB03010(X)05(U), PL03010(X)05(U), PLB03010 (X)12(U), PL03010(X)12(U), PLB06015(X)05(U), PL06015(X)05(U), PLB06015(X)12(U), PL06015(X)12(U), PLA09225(X)12(Y)-3, PL92(X)12(Y)-3, PLA09225(X)12(U)-4, PL92(X)12(U)-4, PLA09225(X)24(Y)-3, PL92(X)24(Y)-3, PLA10025(X)12(Y), PL10(X) 12(Y), PLA10025(X)12(Y) 4, PL10(X)12(Y)-4, PLA10025(X)24(Y), PL10(X)24(Y), PLA06025(X)48(Y), PL65(X)48(Y), where (X) may be S, B or D, (Y) may be HH, H, M or L, (U) may be H, M or L.

Models PLA08025(X) 12HH-1-LV, PL80(X) 12HH-1-LV, PLA12025(X) 12HH-LV, PL12(X) 12HH-LV, PLP08765N12MC, PL8765N12MC, PL8765N12LC, PL8765N12LC, PL8765N12MS, PL8567N12MS, PL908567N12LS, PL8567N12LS where (X) may be S, B or D.

Models PLA04010(X)12(Y)-3, PL40(X)12(Y)-3, PLA07015(X)05(U),PL71(X)05(U), PLA05010(X)12(Y)-2, PL50(X)12(Y)-2, PLA06010(X)05(U), PL61(X)05(U), PLA04020(X)24(Y), PL42(X)24(Y), PLA08025(X)48(U), PL80(X)48(U), PLA05010(X)05(Y)-2, PL50(X)05(Y)-2, where (X) may be S, B or D, (Y) may be HH, H, M or L, (U) may be H, M or L.

Models PLB06015(X)12HH-1, PL06015(X)12HH-1, PLA05010(X)12(Y)-4, PL50(X)12(Y)-4, PLB05010(X)12(U)-3, PL50(X)12(U)-3, PL408038(X)12(U), PL83(X)12(U), PL408038(X)12LL, PL83(X)12LL, PL808020(X)12HH, PL82(X)12HH, where (X) may be S, B or D, (Y) may be HH, H, M or L, (U) may be H, M or L.

Models PLB07018X12(U)-1, PL07018X12(U)-1, PLA07015X12(Y)-1, PL71X12(Y)-1, where (X) may be S, B or D, (Y) may be HH, H, M or L, (U) may be H, M or L.

 $\begin{array}{l} \mbox{Models PLB05010(X)12(Y), PL05010(X)12(Y), PLA05810(X)12(Y), PLV6(X)12(Y), PLA09225(X)12(Y)-5, PL92(X)12(Y)-5, where (X) may be S, B or D, (Y) may be HH, H, M or L. (X) may be S, B or D, (Y) may be HH, H, M or L. (X) may be S, B or D, (Y) may be HH, H, M or L. (X) may be S, B or D, (Y) may be HH, H, M or L. (X) may be S, B or D, (Y) may be HH, H, M or L. (X) may be S, B or D, (Y) may be HH, H, M or L. (Y) may be S, B or D, (Y) may be S, B or$

Models PLA04010X12EL, PL40X12EL, PLA09225(X)12H, PL92(X)12H, PLA04020(X)05(Y)-1, PL42(X)05(Y)-1, PLA06015(X)05(Y)-1, PL60(X)05(Y)-1, where (X) may be S, B or D, (Y) may be HH, H, M or L.

Models PLA07020(X)12(A), PL92(X)48(A), PLB12032(X)12(B), PLB12032(X)24(B),PL12(X)48(A), PL81(X)12HH, PLD09225(X)12 (A), PLA09238(X)12(A)-1, PLB10478(X)12(A), PLD05010(X)12(A), PLA08025(X)05(B)-1, PLA12025(X)24H, , PLA08015(X) 12HH, PLA09225(X)48(A), PLA12025(X)48(A) series, where (A) may be HH, H, M or L, (B) may be H, M or L, (X) may be S, D or B.

Models PLA04028(X)12(Y), PLA04028(X)24(Y), PLA04028(X)12H, PLA04028(X)24H, PLA12025(X)24HH series, where (X) may S, B or D, (Y) may be L or M.

Models PLA05010(X)24(Y), PLB05015(X)12(Y), PLB05710(X)12(Y), PLD06010(X)12(Y), PLA06025(X)12VH, PLA08038(X)48(Y), PLB09523(X)12(Y) series, where (X) may be S, D or B, (Y) may be L, M, H or HH.

Models PLA08038(X)24(Y), PLA09238(X)24(Y)-1, PLA09238(X)48(Y)-1, PLB09533B12(Z), PLB09533B24(Y), PLA12032(X)12(Z), PLA12032(X)48(Z) series, where (X) may be S, B or D, (Y) may be H, M or L, (Z) may be HH, H, M or L.

Models PLA05010(X)12HH series, where (X) may be S, D or B.

Models PLA04015(X)05(U), PLA04015(X)12(U), PLA04015(X)24(V), PLA05015(X)05(U), PLA05020(X)05(U), PLA05020(X)12(U), PLD08010(X)12(U), PLA08010(X)05(U), PLA08010(X)12(U), PLB07010(X)12(U), PLA12540(X)14(V), PLA12038(X)12(W)-1, PLA12038(X)24(V)-1 series, where (U) may be L, M, H or HH, (V) may be L, M or H, (W) may be L or M, (X) may be S, D or B.

Models PLA02506(X)03(U), PLA04007(X)03(U), PLA04007(X)05(U), PLA04007(X)12(U), PLA04010(X)03(U)-C, PLA04010(X) 12VH, PLB04010(X)03(Z), PLB04010(X)05(W), PLB04010(X)12(W), PLB04010(X)24(W), PLA04020(X)03(U)-B, PLA04028B12HH, PLA06038B12(Y), PLA08020(X)24HH, PLB08020(X)05(U), PLB08020(X)12(W), PLB08020(X)24(W), PLA08025 (X)05(T)-3, PLA08025(X)12L-3, PLA08025(X)24(W)-3, PLA08025(X)48(W)-3, PLB07525(X)12(W), PLA09215(X)05(T), PLA09215(X)12(U), PLA09215(X)24(U), PLA12025(X)24VH, PLB09733B12(V), PLB09733B24(V), PLA14025(X)12(V), PLA14025 (X)24(V), PLA12038B48(U)-1 series, where (X) may be S, B or D, (T) may be L or M, (U) may be L, M, H, (V) may be LL, L, M or H, (W) may be L, H, M or HH, (Y) may be LL, L, M, H or HH, (Z) may be LL, M, H, HH.

Models PLA17251B12(T), PLA17251B24(U), PLA17251B48(U), PLA07010X05(T), PLA07010X12(U), PLB07010X05(W), PLA04056B12(U) series, where X may be S, B or D, (T) may be L, M or H , (U) may be L, M, H or HH, (W) may be L, M.

Models PLA03820X12(T), PLA03820X24(T), PLA03828B12(T), PLA03828B24(U), PLA06025X05(T), PLB07222X12(T), PLA13525X05(U), PLA13525X12(T), PLA13525X24(T), PLA14025X05(W) series, where X may be S, B or D, (T) may be L, M, H or HH, (U) may be L, M or H, (W) may be LL, L, M.

Marking: Company name or "E192307" and model designation. Last Updated on 2009-10-27

Questions?

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UL - Certificate

GPWV2.E192307 - Fans, Electric - Component

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CE - Certificate

	CERTIFICATE HTS
	of Conformity
	EC Council Directive 2004/108/EC
	Electromagnetic Compatibility
	Registration No.: HTS 20080105 001
	Report No. : 200801005 001
Holder	 POWER LOGIC TECHNOLOGY INC 7F-5, No. 128, Shin Chien Rd., Panchiao City, Taipei Hsien, Taiwan, R.O.C
Product	: DC Component Fan
Identificati	ON: Type Designation : PLA08010(X)05(Y), PLA08010(X)12(Y), PLD08010(X)12(Y) series. (X) may be S, B, D; (Y) may be L,M, H, HH.
	Tested acc. To : EN 55014-1:2000+A1:2001+A2:2002
	EN 55014-2:1997+A1:2001 EN 61000-3-2:2000+A1:2001+A2:2005
	EN 61000-3-2:2000+A1:2001+A2:2005
echnical Repo ample is in c mended version nd does not p	of conformity is based on an evaluation of a sample of the above mentioned product. ort and documentation are at the Licence Holder's disposal. This is to certify that the tested onformity with all provisions of f Annex III of Council Directive 2004/108/EC, in its latest on, referred to EMC Directive. This certificate does not imply assessment of the production ermit the use of HTS's logo. The holder of the certificate is authorized to use this certificate with the EC declaration of conformity according to Annex III of the directive.
	Certification Body
Dongguan	23 Jan 2008 Jack.Li
	Honesty Technology Service Ltd
	2/F, 72 Victoria Rd., Zhangmutou Town Dongguan City, Guangdong, P.R. China Tel.: 86-769-87708451 Fax: 86-769-87708450 Postcode: 523632
	Tel.: 80-709-87708451 Fax: 80-709-87708450 Fosicouc. 525052

CTI Report

POWER LOGIC(Dong Guan).INC. Questionary of hazardous substances for DC FAN&PUMP

Power Logic Tech.(Dong Guan) Inc.

	П	эг	Test u					· · · · ·	
	Materical Name	Cd	Pb	Test Dat Hg	a Cr ^{e+}	PBB	PBDE	Test No.	Test Date
1	PBT	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CE/2010/53877	2010/5/25
2	PC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	GZ1012138803/CHEM	2010/12/6
3	PCB	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	GZ1002015508/CHEM	2010/3/3
4	CHIP RESISTOR	N.D.	742PPM	N.D.	N.D.	N.D.	N.D.	CE/2010/93992C	2010/10/28
	chill RESISTOR	N.D.	374594PPM	N.D.	N.D.	N.D.	N.D.	CANEC0906214101	2010/1/5
5	DIP GLASS DIODES	N.D.	N.D.	N.D.	NEGATIVE		11.0.	CANEC0906214101	2010/1/5
6	METAL OXIDE RESISTOR	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CE/2010/54629	2010/5/31
7	CHIP CAPACITOR	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	RLSDC00005130001	2010/11/13
8	ALUMINIUM ELECTROLYTIC CAPACITOR	N.D.	16PPM	N.D.	N.D.	N.D.	N.D.	SHAEC1000607001	2010/1/29
		N.D.	34146PPM	N.D.	N.D.	N.D.	N.D.	CANEC0906214110	2010/1/5
9	CHIP DIODES	N.D.	5PPM	N.D.	NEGATIVE			CANEC0906214110	2010/1/5
		N.D.	12782PPM	N.D.	N.D.	N.D.	N.D.	CANEC0906214102	2010/1/5
10	INSERT DIODES	N.D.	N.D.	N.D.	NEGATIVE			CANEC0906214102	2010/1/5
		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC0906214104	2010/1/5
11	CHIP AUDION	N.D.	N.D.	N.D.	NEGATIVE			CANEC0906214104	2010/1/5
		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CE/2010/84056	2010/8/30
12	IC	N.D.	14PPM	N.D.	NEGATIVE			CE/2010/84056	2010/8/30
13	MOS TRANSISTOR	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	SHAEC1008124404	2010/6/17
14	LEAD FREE SOLDER WIRE	N.D.	43PPM	N.D.	NEGATIVE			CANEC1000571701	2010/3/1
15	LEAD FREE SOLDER BAR	N.D.	77PPM	N.D.	N.D.	N.D.	N.D.	RLSZC000519620001	2010/4/22
16	FLUX	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	RLSZC000622110001	2010/7/28
17	SQUARE PIN	N.D.	N.D.	N.D.	NEGATIVE			AK\$0912253302A-2	2009/12/29
		N.D.	N.D.	N.D.	NEGATIVE			CANEC1000437703	2010/2/4
18	COATING WIRE	N.D.	N.D.	N.D.	N.D.			CE/2010/A4508	2010/11/5
19	SILICON STEEL	N.D.	N.D.	N.D.	NEGATIVE			CANEC1003117701	2010/7/26
20	RUBBER MAGNET	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	GZR100202132305	2010/2/2
21	MOTOR CASE	N.D.	N.D.	N.D.	NEGATIVE			SZHH0045909803	2010/2/2
22	SHAFT	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC1004526901	2010/10/15
23	COUNTERWEIGHT-A	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANML100086001	2010/3/11
24	COUNTERWEIGHT-B	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANML100086002	2010/3/11
25	AB GLUE	N.D.	5PPM	N.D.	N.D.	N.D.	N.D.	CANML1003509801	2010/8/19
26	UV GLUE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	RLSZC000622110001	2010/3/2
27	SLEEVE BEARING	N.D.	19PPM	N.D.	NEGATIVE			CANEC1001910804	2010/6/17
		N.D.	N.D.	N.D.	NEGATIVE			SHAML1017411701	2010/12/17
28	BALL BEARING	N.D.	N.D.	N.D.	NEGATIVE			1925395	2010/11/30
29	LUBRICANT GREASE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	WUXH00002434	2010/7/5
30	GRAPHITE WASHER	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	SZHH0045909101	2010/2/4
31	C-WASHER	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	SZHH0045909104	2010/2/4
32	BLUE LEAD WIRE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	GZ1009112333/CHEM	2010/10/11
33	RED LEAD WIRE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	GZ1009112333/CHEM	2010/10/11
34	BLACK LEAD WIRE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	GZ1009112333/CHEM	2010/10/11
35	YELLOW LEAD WIRE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	GZ1009112333/CHEM	2010/10/11
36	GREEN LEAD WIRE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	GZ1009112333/CHEM	2010/10/11
37	COPPER OF LEAD WIRE	N.D.	N.D.	N.D.	NEGATIVE			GZ1009112334/CHEM	2010/10/11
		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC1001854401	2010/5/10
38	LED LIGHT	N.D.	N.D.	N.D.	NEGATIVE			CANEC1001854401	2010/5/10
39	HOUSING	ND	N.D.	N.D.	N.D.	N.D.	N.D.	RLSZC000705830002	2010/10/21
40	TERMINAL	N.D.	24PPM	N.D.	NEGATIVE			RLSZC000705830003	2010/10/21
41	PET LABEL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CE/2009/C6116	2010/1/4
42	POLYESTER FILM SILVER STICKER LABEL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CE/2009/C6112	2010/1/4
43	BLACK INK OF LABEL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CE/2010/10629A	2010/1/12
44	SPRING	N.D.	N.D.	N.D.	NEGATIVE			RLSZC000658580002	2010/9/1
45	HYDRO BEARING	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CE/2010/71886	2010/7/16
46	CARTON	N.D.	2PPM	N.D.	N.D.	N.D.	N.D.	CANEC1000059803	2010/1/11

HSF Test data sheet