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PC-	F005	DWG

REVISIONS			DOC. NO	I. SPC-F005	* Effe	ctive: 7/8/	02 * D0	CP No: 1398
DCP # REV DESCRIPTION		DRAWN DATE CHECKD		DATE	APPRVI	DATE		
1993	Α	Released	JYC	4/26/10	JYC	4/26/10	JYC	4/26/10

MATERIAL

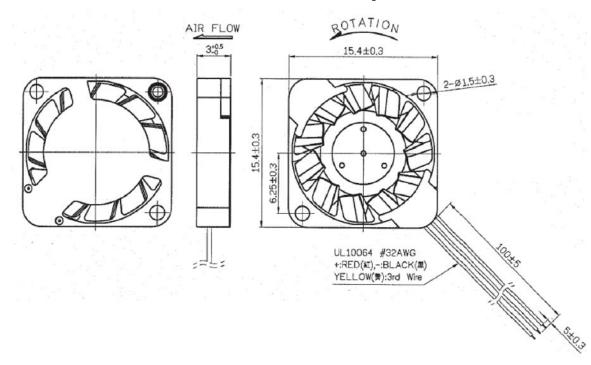
2-1. Frame : Thermoplastic LCP A130 of UL 94V-0

2-2. Impeller : Thermoplastic LCP A130 of UL 94V-0

2-3. Lead Wire : UL10064, 32 awg, +RED, -BLACK

UL10064, 32 awg, YELLOW: 3rd Wire





- 1. One directional exhaust.
- 2. Best Mounting Direction: Fan blade face up or shaft horizontal direction.

Units:mm

DISCLAIMER:

ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE
PURPOSES ONLY.

TOLERANCES:

DRAWN BY:	DATE:	
Jerrold Chen	4/26/2010	
CHECKED BY:	DATE:	_
Jerrold Chen	4/26/2010	
APPROVED BY:	DATE:	_
Jerrold Chen	4/26/2010	

	DRAW	/ING TITLE:									
10				DC	BRUSHL	ESS	DFAN				
	SIZE	DWG. N□.				ELEC	TRONIC F	ILE		REV	_
10	Α		MC3	34115			25R65	47		Α	
10	SCAL	E: NTS		U.□.M.: mr	1		SHEET:	1	ΟF	4	

CHARACTERISTICS

1. Motor Design : Single phase, 6 pole Brushless DC motor.

2. Insulation Resistance : More than 20M ohm between internal stator and

lead wire(+) measured at DC 100V.

3. Dielectric Strength : Applied AC 500V for one minute or AC 600V for

2 seconds between housing and lead wire (+).

4. Noise Level : Measured in a semi-anechoic chamber

with background noise level below 15

dB(A). The fan is running in free air with the

microphone at a distance of one meter

from the fan intake.

5. Input Power, Current & Speed : Measured after continuous 10 minute

operation at rated voltage in clean air, and

at ambient temperature of 25 degree C.

6. Tolerance : ±15% on rated power and current.

7. Air Performance : Measured by a double chamber. The values

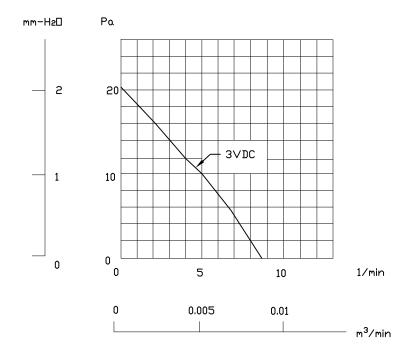
are recorded when the fan speed has stabilized

at rated voltage.

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		A	MC.	34115		25R6547		Α
SPC-F005.DWG	DDC. ND. SPC-F005 * Effective 7/8/02 * DCP No: 1398	SCAL	E: NTS	U.□.M.: Millimeters		SHEET: 2	2 OF	- 4

PERFORMANCE CURVES

STATIC PRESSURE



ALL PIGHTS PESERVED NO PORTION OF THIS PUT	BLICATION, WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT	SIZE	DWG. N□.		ELECT	CTRONIC FILE		RE∨
THE EXPRESS WRITTEN CONSENT OF SPC TECHNO		A	MC	34115		25R6547		Α
SPC-F005.DWG	DDC. ND. SPC-F005 * Effective 7/8/02 * DCP No: 1398	SCAL	E: NTS	U.□.M.: Millimeters		SHEET:	3 [JF 4

SPECIFICATIONS

1-1. Rated Voltage : 3 VDC

1-2. Operating Voltage Range : 2.0~3.5 VDC

1-3. Starting Voltage : 2.0 VDC (25 deg. C POWER DN/OFF)

1-4 Rated Speed : 14500 RPM ± 30%

1-5. Air Delivery : 8.75 1/min 1-6. Static Pressure : 20.36 Pa 1-7. Rated Current : 36 mA

1-8. Rated Power : 0.1 WATTS

1-9. Noise Level : 20.2 dB(A) @ 1M 30.9 dB(A) @ 0.3M

1-10. Direction of Rotation : Counter-clockwise viewed from front of fan blade

1-11. Operating Temperature : -10 to +70 deg. C 1-12. Storage Temperature : -40 to +70 deg. C 1-13. Bearing System : VAPO bearing system

1-14. Weight : 1.1g

1-15. Locked Rotor Protection : Automatic Restart Capacity

Note: In a situation where the fan is locked by a external force while the electricity is on, an increase in coil

temperature will be prevented by temporarily turning off

the electrical power to the motor. The fan will

automatically restart when the locked rotor condition is

released.

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