Multicomp

SPC-F005.DWG

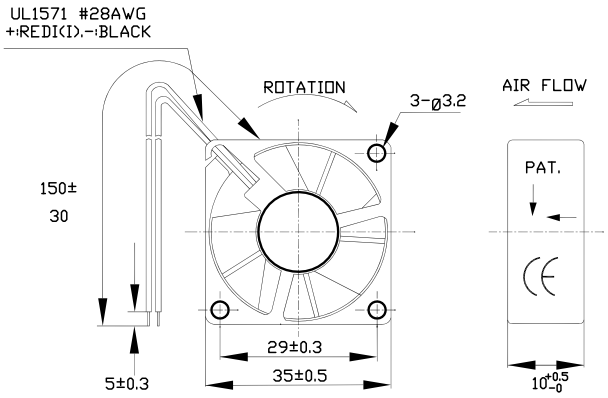
REVISIONS

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
XX	A	RELEASED	LG	28-7-08	JN	28-7-08	JN	28-7-08
2067	B	Listing Info Updated	JN	08-19-09	JN	08-19-09	JN	08-19-09

MATERIAL

2-1. Frame	:	Thermoplastic PBT of UL 94V-0
2-2. Impeller	:	Thermoplastic PBT of UL 94V-0
2-3. Bobbin	:	Thermoplastic PBT of UL 94V-0
2-4. Lead Wire	:	UL1571,28awg,+RED,-BLACK



1. Air Flow Direction : Toward label side.
2. Best Mounting Direction : Any orientation.

RoHS Compliant

TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

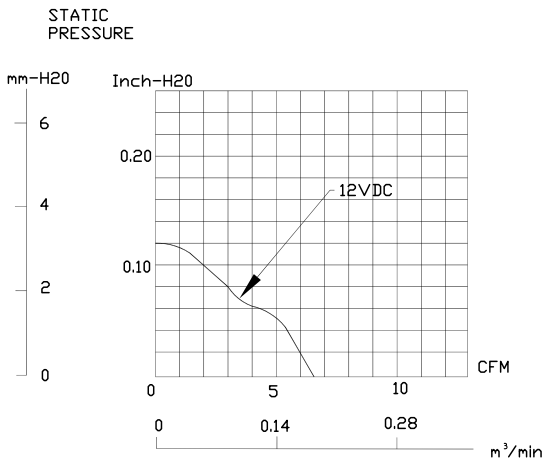
DRAWN BY:	DATE:
LG	28-7-08
CHECKED BY:	DATE:
JN	28-7-08
APPROVED BY:	DATE:
JN	28-7-08

DRAWING TITLE: DC BRUSHLESS FAN

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	MC19663	70K8546.dwg	

SCALE: NTS | U.O.M.: INCHES [mm] | SHEET: 1 OF 4

PERFORMANCE CURVES



RoHS Compliant

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SPC-F005.DWG DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398

SCALE: NTS | U.O.M.: Millimeters | SHEET: 2 OF 4

SPECIFICATIONS

1-1. Rated Voltage	:	12 VDC
1-2. Operating Voltage Range	:	4.5~13.8 VDC
1-3. Starting Voltage	:	4.5 VDC (25 deg. C POWER ON/OFF)
1-4 Rated Speed	:	7500 RPM ± 30%
1-5. Air Delivery	:	6.5 CFM
1-6. Static Pressure	:	0.12 Inch-H2O
1-7. Rated Current	:	43 mA
1-8. Rated Power	:	0.5 WATTS
1-9. Noise Level	:	22 dB(A)
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	:	10.5g
1-15. Safety	:	UL/CUR Approvals
1-16. Vibration	:	Vibration of acceleration 1.5G and frequency 5~50~5Hz is applied in all 3 directions(X,Y,Z), in cycles of 1 minute each, for a total vibration time of 30 minutes.

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CHARACTERISTICS

1. Motor Design	:	Patented single-coil DC brushless 8 pole motor design.
2. Insulation Resistance	:	More than 500M ohm between internal stator and lead wire(+) measured at DC 500V.
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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