



## APPROVAL SHEET

### 承 认 书

|               |                          |
|---------------|--------------------------|
| P/N           | : EP-FNDCACTCLUPS        |
| <hr/>         |                          |
| MODEL NO.     | : UP-002                 |
| <hr/>         |                          |
| FAN MODEL NO. | : T055010SMZCT46aR (EBR) |
| <hr/>         |                          |
| VERSION       | : 01                     |
| <hr/>         |                          |
| DATE          | : FEB. 8, 2018           |
| <hr/>         |                          |
| PREPARED BY   | : LI XIN                 |
| <hr/>         |                          |
| CHECKED BY    | : SHEN LIHE              |
| <hr/>         |                          |
| APPROVAL      | : YAO JIARUI             |
| <hr/>         |                          |

**BEIJING DEEPCOOL INDUSTRIES CO.,LTD**

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Beijing 100095, China

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<http://www.deepcool.com>



北京市鑫全盛商贸有限公司

BELJING DEEPCOOL INDUSTRIES CO.,LTD

| MODIFICATION | VER | DATE |
|--------------|-----|------|
|              |     |      |
|              |     |      |
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1. PHOTO OF PRODUCT



View



## 2. CHARACTERISTICS

### 2.1 ELECTRICAL CHARACTERISTICS

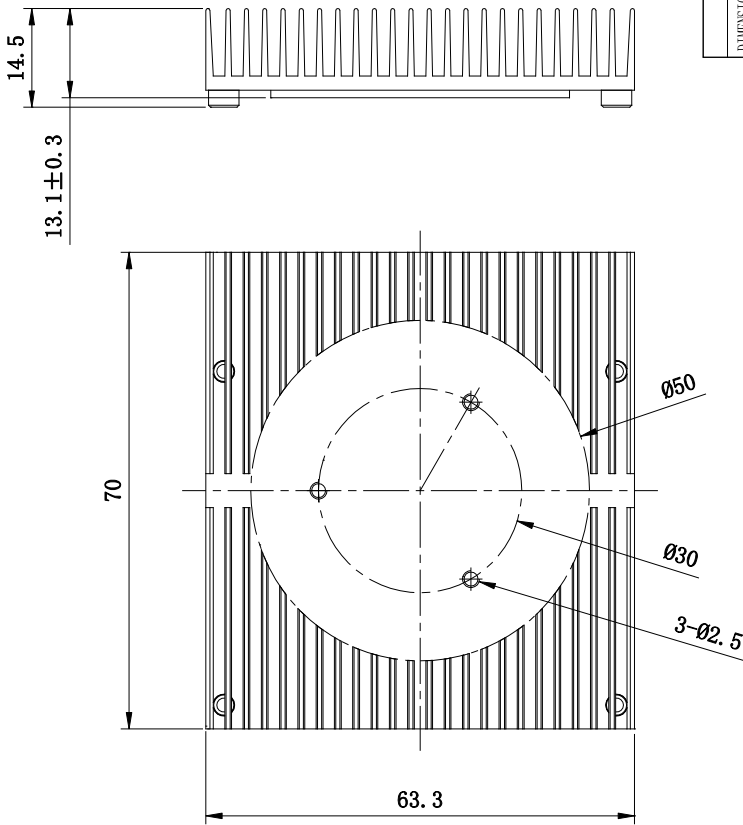
|                   |                   |
|-------------------|-------------------|
| Rated Voltage     | 5VDC              |
| Operating Voltage | 4.5~5.5VDC        |
| Starting Voltage  | 4.5V              |
| Rated Current     | 0.25A (MAX.0.32A) |
| Power Input       | 1.25W (MAX.1.6W)  |
| Fan Speed         | 4500±10%RPM       |
| Air Flow          | 9.58CFM           |
| Noise             | 28dB-A            |
| Bearing Type      | EBR               |

### 2.2 MECHANICAL CHARACTERISTICS

|                    |              |
|--------------------|--------------|
| Fan Dimension      | Φ46.4X11     |
| Heatsink Dimension | 70X63.3X14.5 |
| Heatsink Material  | Aluminum     |
| Weight             | 88 g         |



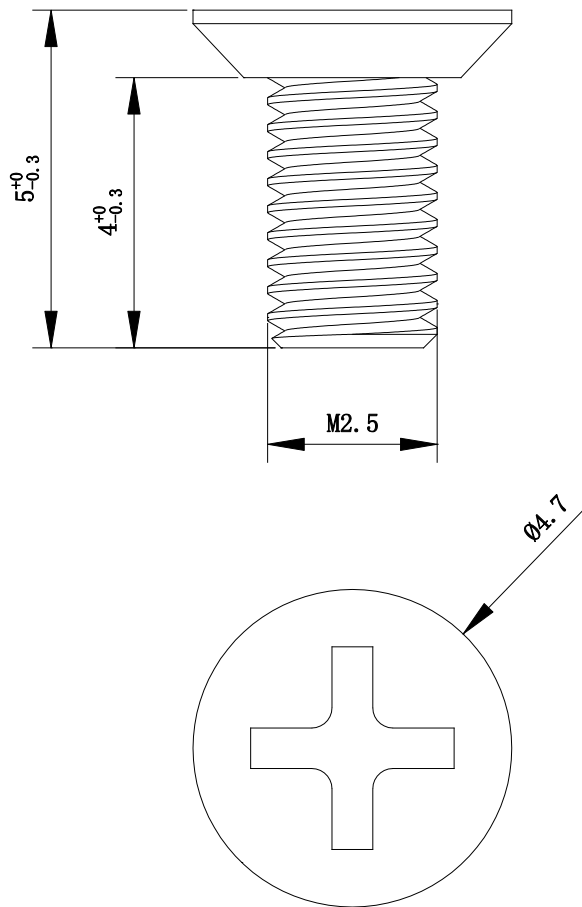
GP



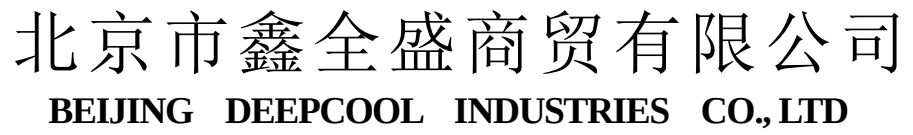
| Tolerance as below, unless otherwise specified |          |        |          |                                      |                   |           |     |  |  |  |  |
|------------------------------------------------|----------|--------|----------|--------------------------------------|-------------------|-----------|-----|--|--|--|--|
| DIMENSION                                      | 0.5~3    | >3~6   | >6~30    | >30~120                              | >120~400          | >400~1000 |     |  |  |  |  |
| TOLERANCE                                      | ±0.1     | ±0.1   | ±0.2     | ±0.3                                 | ±0.5              | ±0.8      |     |  |  |  |  |
|                                                | DESIGN   |        |          | MATERIAL                             | AL 6063-T5        | SCALE     | 1:1 |  |  |  |  |
|                                                | PREPARED | LI XIN | 2018/2/8 | MATERIAL CODE                        |                   | PAGE      | 1/1 |  |  |  |  |
|                                                | CHECKED  |        |          | P/N                                  | HEATSINK S-UP-003 |           |     |  |  |  |  |
|                                                | APPROVAL |        |          | DWG. NO.                             |                   |           |     |  |  |  |  |
| MODIFICATION                                   | VER      | NAME   | DATE     | BEIJING DEEPCOOL INDUSTRIES CO., LTD |                   |           |     |  |  |  |  |

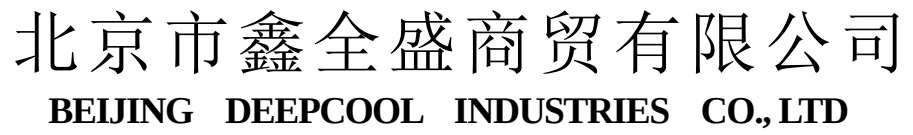


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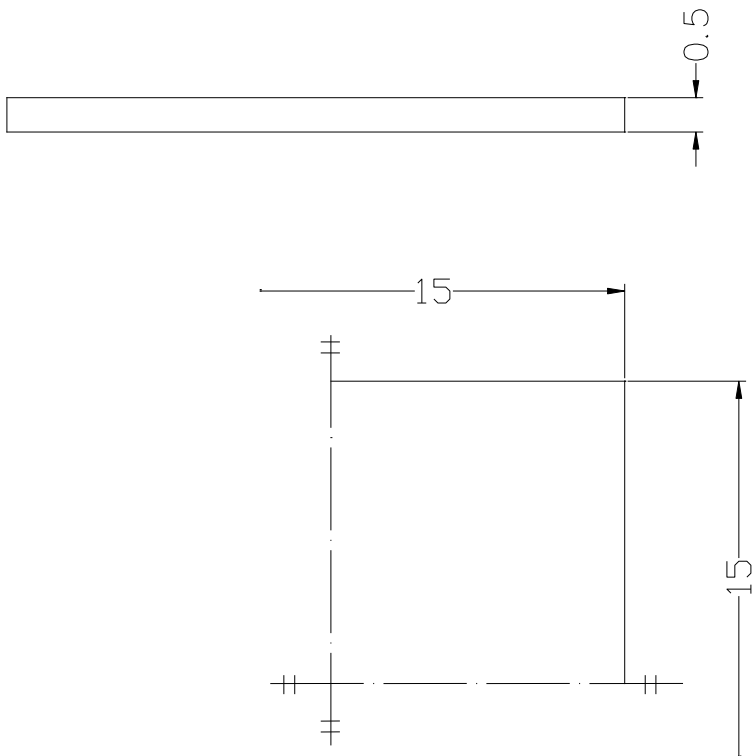
| Tolerance as below, unless other wise specified |          |                 |       |                                      |                |                                                                                     |  |  |  |
|-------------------------------------------------|----------|-----------------|-------|--------------------------------------|----------------|-------------------------------------------------------------------------------------|--|--|--|
| DIMENSION                                       | 0.5~3    | >3~6            | >6~30 | >30~120                              | >120~400       | >400~1000                                                                           |  |  |  |
| TOLERANCE                                       | ±0.1     | ±0.1            | ±0.2  | ±0.3                                 | ±0.5           | ±0.8                                                                                |  |  |  |
|                                                 | DESIGN   |                 |       | MATERIAL                             | SAE 1018       | SCALE                                                                               |  |  |  |
|                                                 | PREPARED | LI XIN 2011/7/8 |       | MATERIAL CODE                        |                | PAGE                                                                                |  |  |  |
|                                                 | CHECKED  |                 |       | P/N                                  | SCREW M2.5X5MM |                                                                                     |  |  |  |
|                                                 | APPROVAL |                 |       | DWG.NO.                              |                |                                                                                     |  |  |  |
|                                                 |          |                 |       |                                      |                |  |  |  |  |
| MODIFICATION                                    | VER      | NAME            | DATE  | BEIJING DEEPCOOL INDUSTRIES CO., LTD |                |                                                                                     |  |  |  |

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GP



| Tolerance as below, unless otherwise specified |           |          |        |                                      |               |                |                                                                                     |  |  |
|------------------------------------------------|-----------|----------|--------|--------------------------------------|---------------|----------------|-------------------------------------------------------------------------------------|--|--|
|                                                | DIMENSION | 0.5~3    | >3~6   | >6~30                                | >30~120       | >120~400       | >400~1000                                                                           |  |  |
|                                                | TOLERANCE | ±0.1     | ±0.1   | ±0.2                                 | ±0.3          | ±0.5           | ±0.8                                                                                |  |  |
|                                                |           | DESIGN   |        |                                      | MATERIAL      | TIF 180-32-465 | SCALE                                                                               |  |  |
|                                                |           | PREPARED | LI XIN | 2011/7/8                             | MATERIAL CODE |                | PAGE                                                                                |  |  |
|                                                |           | CHECKED  |        |                                      | P/N           | GAP PAD 3      |                                                                                     |  |  |
|                                                |           | APPROVAL |        |                                      | DWG. NO.      |                |  |  |  |
|                                                |           |          |        |                                      |               |                |                                                                                     |  |  |
| MODIFICATION                                   | VER       | NAME     | DATE   | BEIJING DEEPCOOL INDUSTRIES CO., LTD |               |                |                                                                                     |  |  |



# EVERFLOW

## SPECIFICATION FOR APPROVAL

**CUSTOMER:** Deep cool

**DESCRIPTION:** DC Fan

**EVERFLOW No:** T055010SMZCT46aR (EBR)

**CUSTOMER No:**

**SAMPLE NO:** N/A

**SERIAL NUMBER:** 114607

**DATE:** 2017/12/21

**RD REV:** A

**STANDARD REV:** A

| CUSTOMER APPROVED BY |
|----------------------|
|                      |

| APPROVED BY                                                                         | CHECKED BY | DRAWING BY  |
|-------------------------------------------------------------------------------------|------------|-------------|
|  |            | dandan Long |

EVERFLOW PRECISION ELECTRONIC(DONGGUAN) CO., LTD.  
GEKENG YANJIANG INDUSTRIAL ZONE, HENG LI TOWN, DONG  
GUAN CITY, GUANG DONG.

TEL: 86-0769-83796589 83796590

FAX:86-0769-83797588 83727163

<http://www.everflowtech.com>

## SPECIFICATION FOR APPROVAL

### ★ 1. SCOPE:

**THIS SPECIFICATION DEFINES THE ELECTRICAL AND MECHANICAL CHARACTERISTICS OF THE DC BRUSHLESS AXIAL FLOW AND BLOWER FAN.**

### ★ 2. CHARACTERS:

| <u>NO</u> | <u>ITEM</u>             | <u>SPECIFICATION</u>                                                                                                                                                                          |
|-----------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2--1      | Rated Voltage           | <input checked="" type="checkbox"/> 5V <input type="checkbox"/> 12V <input type="checkbox"/> 24V <input type="checkbox"/> 48V                                                                 |
| 2--2      | Starting Voltage        | 4.5V(25deg.C Power ON/OFF)                                                                                                                                                                    |
| 2--3      | Operating Voltage Range | 4.5V~5.5V                                                                                                                                                                                     |
| 2--4      | Rated Current           | 0.25Amp (MAX.0.32Amp)                                                                                                                                                                         |
| 2--5      | Rated Power             | 1.25W (MAX.1.60W)                                                                                                                                                                             |
| 2--6      | Rated Speed             | 4500±10%RPM<br>(Testing Speed After Continuous 3Minute<br>Operation At Ambient Temperature Of 25℃)                                                                                            |
| 2--7      | Air Flow                | 9.58CFM 0.27m3/min (REF)                                                                                                                                                                      |
| 2--8      | Static Pressure         | 1.87mmH2O (REF)                                                                                                                                                                               |
| 2--9      | Sound Level             | MAX.28 dB(A)                                                                                                                                                                                  |
| 2--10     | Product Type            | <input checked="" type="checkbox"/> Rohs <input type="checkbox"/> HF <input type="checkbox"/> GP                                                                                              |
| 2--11     | Life Expectancy         | <input type="checkbox"/> 40,000hours at 40℃ <input checked="" type="checkbox"/> 50,000hours at 40℃<br>(WITH 15~65% RH)                                                                        |
| 2--12     | Bearing Type            | <input type="checkbox"/> Two Ball <input type="checkbox"/> Ball And Sleeve<br><input checked="" type="checkbox"/> EBR <input type="checkbox"/> Ball Bearing <input type="checkbox"/> One Ball |
| 2--13     | Protection              | <input type="checkbox"/> Impedance Protection <input checked="" type="checkbox"/> Auto-Restart <input type="checkbox"/> Current-Limit                                                         |
| 2--14     | Pole                    | <input type="checkbox"/> 2 Pole <input checked="" type="checkbox"/> 4Pole <input type="checkbox"/> 8Pole <input type="checkbox"/> Three Phase                                                 |
| 2--15     | IP Grade                | N/A                                                                                                                                                                                           |
| 2--16     | Safety Approval         | <input checked="" type="checkbox"/> TUV <input checked="" type="checkbox"/> UL <input checked="" type="checkbox"/> CE                                                                         |

## SPECIFICATION FOR APPROVAL

### ★ 3. MECHANICAL:

|      |            |                                                                                                                     |
|------|------------|---------------------------------------------------------------------------------------------------------------------|
| 3--1 | DIMENSIONS | SEE DIMENSIONS DRAWING                                                                                              |
| 3--2 | FRAME      | <input checked="" type="checkbox"/> PBT(BLACK) PLASTIC {UL 94V-0}<br><input type="checkbox"/> PC PLASTIC {UL 94V-2} |
| 3--3 | IMPELLER   | <input checked="" type="checkbox"/> PBT(BLACK) PLASTIC {UL 94V-0}<br><input type="checkbox"/> PC PLASTIC {UL 94V-2} |
| 3--4 | WEIGHT     | 12 GRAMS (REF)                                                                                                      |

### ★ 4. ENVIRONMENTAL:

4--1. OPERATING TEMPERATURE----- -10°C~70°C

4--2. STORAGE TEMPERATURE----- -20°C~75°C

4-3. OPERATING HUMIDITY----- 5 TO 90% RH

4-4. STORAGE HUMIDITY ----- 5 TO 95% RH

4-5. DIRECTION OF ROTATION-----  
☒ CLOCKWISE  
☐ COUNTER-CLOCKWISE  
 (VIEWED FROM LABEL SIDE)

4-6. DIELECTRIC STRENGTH ----- APPLIED AC 500V FOR ONE MINUTE OR  
 AC 600V FOR SECONDS BETWEEN HOUSING  
 AND LEAD WIRE(+)

4-7. INSULATION STRENGTH-----MORE THAN 500 M OHM INTERNAL STATOR  
 AND LEAD WIRE(+) MEASURED AT DC 500V

4- 8. DROP TEST-----IN MINIMUM PACKAGING CONDITION, FAN WITHSTANDS  
 EACH ONE DROP OF THREE FACES FROM 60cm DISTANCE  
 HEIGHT ON TO 2cm THICKNESS OF SOLEPLATE.

## SPECIFICATION FOR APPROVAL

- 4--9. VIBRATION TEST-----**
- 1. ORIENTATION : X , Y, Z ( 3 AXES )**
  - 2. OVERALL RMS = 3.2 G**
  - 3. FREQUENCY ( Hz )                      PSD ( G2/HZ )**

|      |       |
|------|-------|
| 10   | 0.04  |
| 20   | 0.1   |
| 40   | 0.1   |
| 800  | 0.002 |
| 1000 | 0.002 |
  - 4. DURATION : 2 HOURS ON EACH ORIENTATION**
  - 5. SAMPLE CONDITION : NON-PACKING , NON-OPERATION**

- 4--10. SHOCK TEST-----**
- TEMPERATURE : +25°C.**  
**ORIENTATION : X .**  
**POWER : NON-OPERATING.,**  
**ACCELERATION: 50G MAX.**  
**PULSE: 11 MS HALF-SINE WAVE.**  
**NUMBER OF SHOCKS:**  
**5 SHOCKS FOR EACH DIRECTION.**

- 4--11. NOISE TEST -----**
- MEASURED IN A SEMI-ANECHOIC CHAMBER**  
**WITH BACKGROUND NOISE LEVEL BELOW**  
**19DB(A). THE FAN IS RUNING IN FREE AIR**  
**WITH THE MICROPHONE AT A DISTANCE OF**  
**ONE METER FRAM THE FAN INTAKE**

- 4--12. AIR PERFORMANCE -----**
- MEASURED BY A DOUBLE CHAMBER.THE**  
**VALUES ARE RECORDED WHEN THE FAN SPEED**  
**HAS STABILIZED AT RATED VOLTAGE.**

### ★ 5. NOTES:

- 5--1. THE ABOVE STANDARD SHOULD BE THE SPECIFIED VALUE AT NORMAL TEMPERATURE (25°C) AND NORMAL HUMIDITY (60~65%) UNLESS OTHERWISE NOTICED.**
- 5--2. SPECIFICATION CHANGE:**  
**ANY CHANGES TO THE PARAMETERS SPECIFIED IN THIS DOCUMENT WILL BE DETERMINED BY MUTUAL AGREEMENT ON BOTH PARTIES.**
- 5--3. IT IS VERY IMPORTANT TO CHECK THE POLARITY CORRECTLY BEFORE CONNECTING THE ANSTO THE POWER SOURCE. POSITIVE (+) AND NEGATIVE (-). DAMGE MAY BECAUSED TO THE FANS IF CONNECTION IS WITH REVERSE POLARITY, IF THERE IS NO FOOLPROOF METHOD TO PROTECT AGAINST SUCH ERROR SPECIFICALLY MENTIONED IN THIS SPEC.**

## SPECIFICATION FOR APPROVAL

5--4. PLEASE BE CAUTIOUS WHEN MOUNTING THE FAN THE FAN. INCORRECT MOUNTING OF FANS MAY CAUSE EXCESS RESONANCE, VIBRATION AND SUBSEQUENT NOISE, EVEN SCREW HOLE BROKEN.

5--5. PLEASE EXERCISE CAUTION WHEN HANDLING FANS. DAMAGE MAY BE CAUSED BY OUTSIDE ABNORMAL PRESSURE OR ENVIRONMENT STRESS DURING MOVING.

5--6. ALL THE FANS SHALL MEET THE QUALITY INSPECTION UNDER SAMPLING PLAN MIL-STD-105E AS FOLLOW, EXCEPT AS PERTAINS TO SOME SPECIAL,DESIGNS , THERE IS NO GUARANTEE THAT THE PRODUCTS WILL BE FREE FROM ANY SUCH SAFETY PROBLEMS OR FAILURES AS CASSED BY THE INVADING OF POWDER, DROP LOTS OF WATER OR ENCROACHMENT OF INSECT INTO THE HUB.

|          |       |
|----------|-------|
| CRITICAL | 0.25% |
| MAJOR    | 1.00% |
| MINOR    | 2.50% |

5--7. CUSTOMER SHALL CONFIRM THE MATCHING AND RELIABILITY OF FAN ON ACTUAL SET OR UNIT APPLICATION.THIS INCLUDE CONFIRMATION ON SET OR UNIT LIFE, ELECTRICAL NOISE, MECHANICAL NOISE, VIBRATION, STATIC ELECTRICITY, ELECTRIC POWER NOISE, DRIFT,ELECTRIC RESONANCE BETWEEN MOTOR AND CONTROL CIRCUIT, MECHANICAL RESONANCE BETWEEN MOTOR AND CHASSIS, IRREGULAR MOVEMENT OF SET DUE TO MOTOR NOISE, IRREGULAR MOVEMENT OF SET INSTRONG ELECTROMAGNETIC FIELD, DAMAGED BY LIGHTNING SURGE EARTHING METHOD ETC.

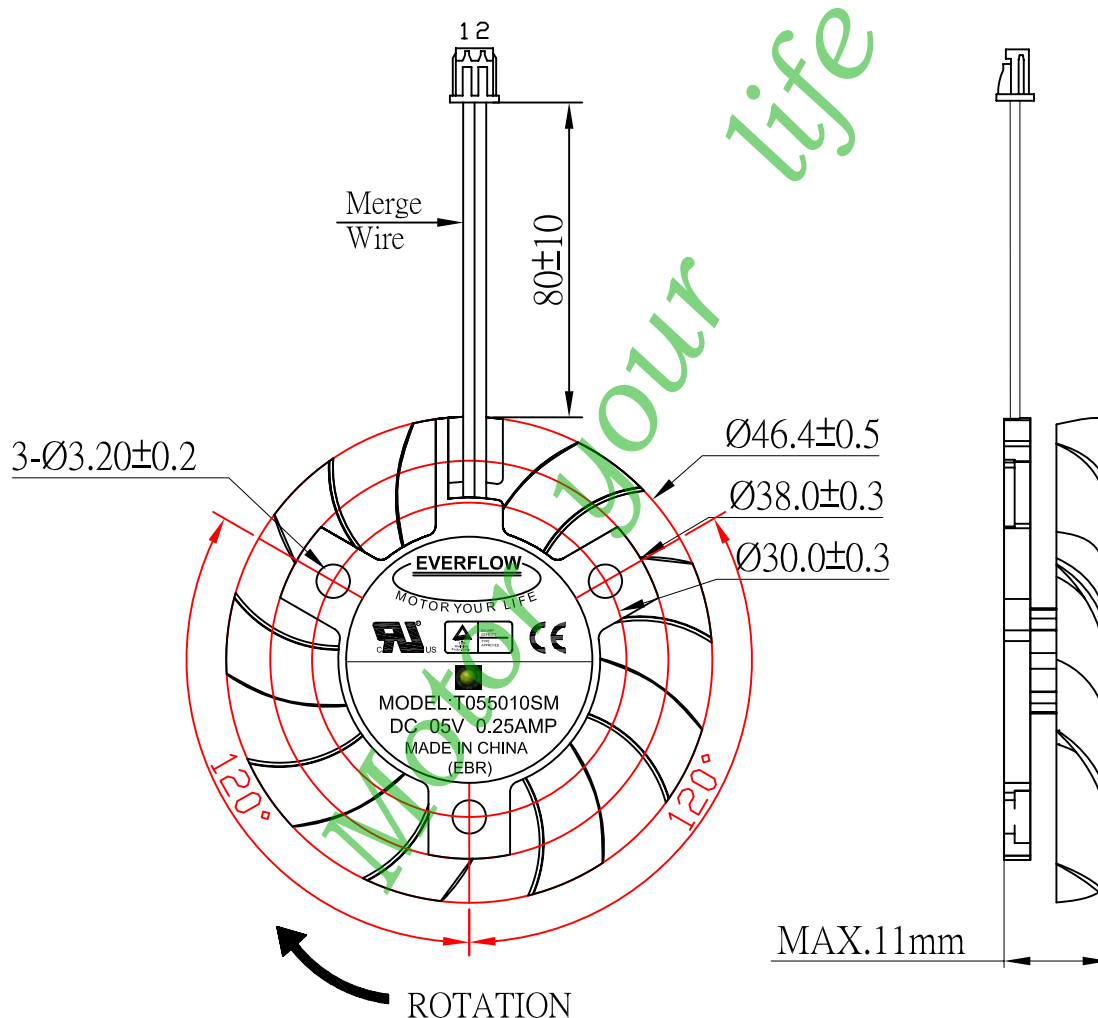
5--7. ANY REVISIONS ON THE SPECIFICATION SHALL BE DONE BASED ON MUTUAL DISCUSSION AND AGREEMENT.

5--8. IN ORDER TO IMPROVE THE PERFORMANCE WITHIN THE SCOPE OF SPECIFICATION, PARTS OR MATERIAL CHANGES ARE SUBJECT TO PRIOR NOTICE TO CUSTOMER.

5--9. ANY ITEM WHICH IS NEEDED TO ADD INTO SPECIFICATION SHALL BE DETERMINED ON CUSTOMER'S PRIOR WRITTEN REQUEST. IF NO INFORMATION GIVEN, FAN WILL BE DELIVERED BASED ON OUR STANDARD JUDGMENT.

5--10. WHEN ANY TROUBLE OCCURS, BOTH PARTIES SHALL DISCUSS ON THIS SPECIFICATION TO SOLVE THE MATTERS. IN THIS CASE, OUR GUARANTEE IS ONLY LIMITED TO FANS.

★ 6. DIMENSION DRAWING. UNIT: mm



NOTES:

1. LEAD WIRE UL 1061 AWG#26  
PIN 1: RED WIRE---(+)  
PIN 2: BLACK WIRE---(-)
2. HOUSING: 51021-2P (WHITE) OR EQUIVALENT

# Zertifikat Certificate



Zertifikat Nr. Certificate No. R 50091668  
Blatt Page 0009

| Ihr Zeichen Client Reference | Unser Zeichen Our Reference | Ausstellungsdatum | Date of Issue (day/mo/yr) |
|------------------------------|-----------------------------|-------------------|---------------------------|
| 12084174/LJC211115           | ZTW1-TCC- 10009602 011      | 01.12.2015        |                           |

**Genehmigungsinhaber License Holder**  
Everflow Precision Electronic  
(Dong Guan) Co., Ltd.  
GeKeng Industrial Zone  
Heng Li Town  
Dongguan City, Guangdong 523460  
P.R. China

**Fertigungsstätte Manufacturing Plant**  
Everflow Precision Electronic  
(Dong Guan) Co., Ltd.  
GeKeng Industrial Zone  
Heng Li Town  
Dongguan City, Guangdong 523460  
P.R. China

## Prüfzeichen Test Mark



**Geprüft nach Tested acc. to**  
EN 60950-1:2006+A11+A1+A12+A2

**Zertifiziertes Produkt (Geräteidentifikation)**  
**Certified Product (Product Identification)**

**Lizenzentgelte - Einheit**  
**License Fee - Unit**

Ventilator (DC Fan)

wie Blatt (as page) 01

Änderung  
(Change)

Prüfgrundlage : siehe oben  
(Test Requirement) (see above)

## ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.  
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**  
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com  
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

**Zertifizierungsstelle**



Albin Yang

Everflow Precision Electronic (Dong  
Guan) Co., Ltd.  
Mr. Liu-Chun Xiang, Manager  
Engineering Dept.  
GeKeng Industrial Zone  
Heng Li Town  
Dongguan City, Guangdong 523460  
P.R. China

Date : 01.12.2015  
Our ref. : TCC ZTW1  
Your ref.: 12084174/LJC211115

**Ref : R TÜV-Mark Approval**

Type of Equipment : DC Fan  
Model Designation : See Certificate  
Certificate No. : R 50091668 0009  
Report No. : 10009602 011

Dear Mr. Liu-Chun Xiang,

The above specified equipment has been tested and found to be in  
accordance with the relevant requirements.

Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a  
given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder  
applies all information required in § 6 of the ProdSG related to name  
and address of the manufacturer or his authorized representative /  
importer, including their respective contact addresses on the product  
prior to marketing of the product in the European Economic Area.

With kind regards,

Certification Body



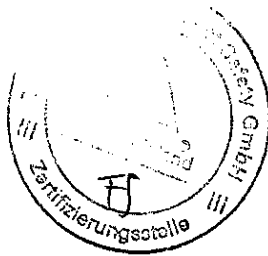
Albin Yang

Enclosure

**TÜV RHEINLAND TAIWAN LTD.**

11F., No. 758, Sec. 4, Bade Rd.,  
Songshan Dist., Taipei City 105,  
Taiwan R. O. C.  
Tel. (02) 2172-7000  
Fax (02) 2528-0018  
<http://www.tuv.com>

TAICHUNG BRANCH:  
No. 9, Lane 36, Sec. 3, Minsheng Rd.,  
Daya Dist., Taichung City 428  
Taiwan, R. O. C.  
Tel. (04) 2560-2998  
Fax (04) 2566-3598



TÜV Rheinland Group



Appendix to TÜV approved Certificate No.: R 50091668

**Certified Product** : DC Fan

**Report Number** : 10009602 008

**Type Designation** : RX2X3X4X5X6, FX2X3X4X5X6, SX2X3X4X5X6, TX2X3X4X5X6, KX2X3X4X5X6, XX2X3X4X5X6 (X2 = 05, 12 or 24; X3 = 12, 50, 60, 70, 80 or 92; X4 = 10, 15 or 25; X5 = B, D, S or EBR; X6 = L, M, H or U)

| No.                        | Series | Model designation      | Voltage (Vdc) | Current (A) | Speed (RPM) | Winding (mm. turns) | IC type               | PCB       |
|----------------------------|--------|------------------------|---------------|-------------|-------------|---------------------|-----------------------|-----------|
| 1.                         | 1225   | (R/F/S/X/T/K)241225X5L | 24            | 0.20        | 1500        | 0.09 * 600          | LB11867 / 520 / FW360 | 12025-P23 |
|                            |        | (R/F/S/X/T/K)241225X5M |               | 0.25        | 1800        | 0.10 * 490          |                       |           |
|                            |        | (R/F/S/X/T/K)241225X5H |               | 0.30        | 2100        | 0.13 * 410          |                       |           |
|                            |        | (R/F/S/X/T/K)241225X5U |               | 0.35        | 2400        | 0.14 * 360          |                       |           |
| Note: X5 = B, D, S or EBR. |        |                        |               |             |             |                     |                       |           |
| 2.                         | 9215   | (R/F/S/X/T/K)129215X5L | 12            | 0.20        | 2000        | 0.09 * 350          | LB11961 / 520         | 8025-P19  |
|                            |        | (R/F/S/X/T/K)129215X5M |               | 0.25        | 2500        | 0.10 * 270          |                       |           |
|                            |        | (R/F/S/X/T/K)129215X5H |               | 0.30        | 3000        | 0.11 * 225          |                       |           |
|                            |        | (R/F/S/X/T/K)129215X5U |               | 0.50        | 3500        | 0.15 * 160          |                       |           |
| Note: X5 = B, D, S or EBR. |        |                        |               |             |             |                     |                       |           |
| 3.                         | 5010   | (R/F/S/X/T/K)055010X5L | 05            | 0.20        | 3000        | 0.06 * 190          | FD1157                | 5010X1X1  |
|                            |        | (R/F/S/X/T/K)055010X5M |               | 0.25        | 4000        | 0.08 * 235          |                       |           |
|                            |        | (R/F/S/X/T/K)055010X5H |               | 0.40        | 5000        | 0.09 * 190          |                       |           |
|                            |        | (R/F/S/X/T/K)055010X5U |               | 0.45        | 6000        | 0.10 * 120          |                       |           |
| Note: X5 = B, D, S or EBR. |        |                        |               |             |             |                     |                       |           |
| 4.                         | 6025   | (R/F/S/X/T/K)246025X5L | 24            | 0.15        | 3600        | 0.09 * 400          | BA6423AF / 520        | 8020-C15  |
|                            |        | (R/F/S/X/T/K)246025X5M |               | 0.20        | 4000        | 0.09 * 340          |                       |           |
|                            |        | (R/F/S/X/T/K)246025X5H |               | 0.25        | 4550        | 0.10 * 320          |                       |           |
|                            |        | (R/F/S/X/T/K)246025X5U |               | 0.30        | 4900        | 0.10 * 300          |                       |           |
| Note: X5 = B, D, S or EBR. |        |                        |               |             |             |                     |                       |           |
| 5.                         | 7025   | (R/F/S/X/T/K)247025X5L | 24            | 0.15        | 3600        | 0.10 * 340          | BA6423AF / 520        | 8020-C15  |
|                            |        | (R/F/S/X/T/K)247025X5M |               | 0.20        | 4200        | 0.11 * 265          |                       |           |
|                            |        | (R/F/S/X/T/K)247025X5H |               | 0.25        | 4800        | 0.13 * 235          |                       |           |
|                            |        | (R/F/S/X/T/K)247025X5U |               | 0.35        | 5400        | 0.13 * 195          |                       |           |
| Note: X5 = B, D, S or EBR. |        |                        |               |             |             |                     |                       |           |



NOTICE OF COMPLETION  
AND  
AUTHORIZATION TO APPLY THE UL MARK

2013-08-22

Everflow Precision Electronic (dong Guan) Co Ltd  
Mr. Bin Tao  
Ge Keng Industrial Zone  
Heng Li Town  
Dongguan Guangdong 523460, Cn

Our Reference: File E236658, Vol. 1 Project Number 13CA39187  
Your Reference: TAO, BIN MR. 1-july-2013  
Project Scope: GPWV2/8 4 SERIES COMPONENT FAN 4028/8015/8038/9025 E236658

Dear Mr. Bin Tao:

Congratulations! UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements. This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at authorized factories under UL's Follow-Up Service Program. To provide your manufacturer(s) with the intended authorization to use the UL Mark, you must send a copy of this notice to each manufacturing location currently authorized under File E236658, Vol. 1.

Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. Until then, this letter authorizes application of the UL Mark for 90 days from the date indicated above.

Additional requirements related to your responsibilities as the Applicant can be found in the document "Applicant responsibilities related to Early Authorizations" that can be found at the following web-site:  
<http://www.ul.com/EAResponsibilities>

Any information and documentation provided to you involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

We are excited you are now able to apply the UL Mark to your products and appreciate your business. Feel free to contact me or any of our Customer Service representatives if you have any questions.

Very truly yours,

Max Mai  
+86 20 3213 1311  
Engineer Project Associate  
Max.Mai@ul.com

Reviewed by:

William R. Carney  
847/664-1088  
Chief Engineer Director I  
William.R.Carney@ul.com

CC: DONGGUAN UTL CO LTD, MS. DANA TIAN

GUZ83EF-256549

## INDEX

| Model/Product Number(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Section | Requirements<br>Evaluated to<br>(US and/or CN) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------|
| DC Fans, Models (W)B6010(Y)U(55),<br>(X)C6025(Y)(Z), RB7038B(Z), RB8020(Y)(A),<br>RB8020BU, RC8032(Y)(Z), FB8038B(Z),<br>FC9025(Y)(Z), FB9238B(Z), FB1232B(Z) and<br>B127515B(Z) series; where (W) may be R, S or T;<br>(Y) may be S, D or B; (X) may be R, F or T; (Z)<br>may be L, M, H or U; (A) may be L, M or H.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7       | USR/CNR                                        |
| DC Component Fans, Models B125020B(A),<br>B126015B(A), R127013(D/B) (A), B127015B(A),<br>T127015II(A), B127525B(A), F129238IIL,<br>F129238IIM, B129733B(A), B121232B(A) Series;<br>where (A) may be L, M, H or U; II may be S, D<br>or B, and models R124056BU, B127530BU and<br>B128025BU.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8       | USR/CNR                                        |
| DC Component Fans, Models RA4020(W)(A),<br>F(R/T)A8025(W)(B), F(T)A9025(W)(X) Series.<br>Where (W) may be B, D or S, (A) may be L or M,<br>(B) may be L, M, H or U, (X) may be L, M or H.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9       | USR/CNR                                        |
| DC Component Fans, Models<br>R(F/T/S/K/D/X)B14025X5L, (F/T/S/K/D/X)B14025X5M,<br>R(F/T/S/K/D/X)B14025X5H, R(F/T/S/K/D/X)B14025X5U,<br>R(F/T/S/K/D/X)B12032D/SL, R(F/T/S/K/D/X)B12032D/SM,<br>R(F/T/S/K/D/X)B12032D/SH,<br>R(F/T/S/K/D/X)B12032D/SU, R(F/T/S/K/D/X)B5015X5L,<br>R(F/T/S/K/D/X)B5015X5M, R(F/T/S/K/D/X)B5015X5H,<br>R(F/T/S/K/D/X)B5015X5U, R(F/T/S/K/D/X)B5020X5L,<br>R(F/T/S/K/D/X)B5020X5M, R(F/T/S/K/D/X)B5020X5H,<br>R(F/T/S/K/D/X)B5020X5U, R(F/T/S/K/D/X)D6025X5U,<br>R(F/T/S/K/D/X)B4020X5U, R(F/T/S/K/D/X)B6015X5U,<br>R(F/T/S/K/D/X)B6020X5U, R(F/T/S/K/D/X)B6025X5U,<br>R(F/T/S/K/D/X)B7015X5U, R(F/T/S/K/D/X)B7025X5U,<br>R(F/T/S/K/D/X)B8015X5U, R(F/T/S/K/D/X)B8020X5U,<br>R(F/T/S/K/D/X)B8025X5U, R(F/T/S/K/D/X)B9025X5U,<br>R(F/T/S/K/D/X)B7020X5U, R(F/T/S/K/D/X)B8032X5U,<br>R(F/T/S/K/D/X)B1225X5U, where X5 maybe S, B or D. | 10      | USR/CNR                                        |
| DC Component Fans, Models B053510BU and<br>B055015BL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 11      | USR/CNR                                        |
| DC Component Fan, Models<br>T(F/R/S/K/X)055010B/D/SL,<br>T(F/R/S/K/X)055010B/D/SM,<br>T(F/R/S/K/X)055010B/D/SH, and<br>T(F/R/S/K/X)055010B/D/SU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12      | USR/CNR                                        |



# CERTIFICATE

of Conformity

EC Council Directive 2014/30/EU  
Electromagnetic Compatibility

Registration No.: ATE20092278 007

Page 1 of 2

**Applicant:** Everflow Precision Electronic (Dong Guan) Co., Ltd.  
Ge Keng Industrial Zone, Heng Li Town, Dong Guan City, Guang Dong  
China

**Product:** DC FAN

**Identification:** Model No. : See Model List  
Trade Mark : n.a.  
Rating : DC 12-24V

**Standards:** EN 55022: 2010  
EN 55024: 2010

The certificate of conformity is base on an evaluation of a sample of the above-mentioned product. Technical report and documentation are at the applicant's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex I of Council Directive 2014/30/EU, referred to as the EMC Directive. This certificate does not imply assessment of the production and does not permit the use of ATC's logo. The applicant of the certificate is authorized to use this certificate in connection with the EU declaration of conformity according to Annex IV of the Directive.



May 17, 2016

Date

Certified by

Sean Liu



The CE Marking may only be used if all relevant and effective EC Directives are complied with.



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# CERTIFICATE

of Conformity

EC Council Directive 2014/30/EU  
Electromagnetic Compatibility

Registration No.: ATE20092278 007

Page 2 of 2

| No. | Series | Model No.             | Voltage<br>(V) | Current<br>(A) | Speed<br>(RPM) | No. | Series | Model No.             | Voltage<br>(V) | Current<br>(A) | Speed<br>(RPM) |
|-----|--------|-----------------------|----------------|----------------|----------------|-----|--------|-----------------------|----------------|----------------|----------------|
| 1   | 1225   | R(F/S/X/T/K)241225X5L | 24             | 0.2            | 1500           | 2   | 9215   | R(F/S/X/T/K)129215X5L | 12             | 0.2            | 2000           |
|     |        | R(F/S/X/T/K)241225X5M |                | 0.25           | 1800           |     |        | R(F/S/X/T/K)129215X5M |                | 0.25           | 2500           |
|     |        | R(F/S/X/T/K)241225X5H |                | 0.3            | 2100           |     |        | R(F/S/X/T/K)129215X5H |                | 0.3            | 3000           |
|     |        | R(F/S/X/T/K)241225X5U |                | 0.35           | 2400           |     |        | R(F/S/X/T/K)129215X5U |                | 0.5            | 3500           |
| 3   | 5010   | T(F/R/S/K/X)055010X5L | 05             | 0.20           | 3000           | 4   | 6025   | R(F/S/X/T/K)246025X5L | 24             | 0.15           | 3600           |
|     |        | T(F/R/S/K/X)055010X5M |                | 0.25           | 4000           |     |        | R(F/S/X/T/K)246025X5M |                | 0.20           | 4000           |
|     |        | T(F/R/S/K/X)055010X5H |                | 0.40           | 5000           |     |        | R(F/S/X/T/K)246025X5H |                | 0.25           | 4550           |
|     |        | T(F/R/S/K/X)055010X5U |                | 0.45           | 6000           |     |        | R(F/S/X/T/K)246025X5U |                | 0.30           | 4900           |
| 5   | 7025   | R(F/S/X/T/K)247025X5L | 24             | 0.15           | 3600           | 6   | 8010   | R(F/S/X/T/K)128010X5L | 12             | 0.15           | 2400           |
|     |        | R(F/S/X/T/K)247025X5M |                | 0.20           | 4200           |     |        | R(F/S/X/T/K)128010X5M |                | 0.2            | 3000           |
|     |        | R(F/S/X/T/K)247025X5H |                | 0.25           | 4800           |     |        | R(F/S/X/T/K)128010X5H |                | 0.25           | 3600           |
|     |        | R(F/S/X/T/K)247025X5U |                | 0.35           | 5400           |     |        | R(F/S/X/T/K)128010X5U |                | 0.35           | 4200           |
| 7   | 8015   | R(F/S/X/T/K)248015X5L | 24             | 0.15           | 2400           |     |        |                       |                |                |                |
|     |        | R(F/S/X/T/K)248015X5M |                | 0.20           | 3000           |     |        |                       |                |                |                |
|     |        | R(F/S/X/T/K)248015X5H |                | 0.25           | 3600           |     |        |                       |                |                |                |
|     |        | R(F/S/X/T/K)248015X5U |                | 0.30           | 4200           |     |        |                       |                |                |                |

X5 may be S, B or D

The certificate of conformity is based on an evaluation of a sample of the above-mentioned product. Technical report and documentation are at the applicant's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex I of Council Directive 2014/30/EU, referred to as the EMC Directive. This certificate does not imply assessment of the production and does not permit the use of ATC's logo. The applicant of the certificate is authorized to use this certificate in connection with the EU declaration of conformity according to Annex IV of the Directive.

May 17, 2016

Date



Certified by

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The CE Marking may only be used if all relevant and effective EC Directives are complied with.



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