

SUNON

SPECIFICATION FOR APPROVAL

FOR REFERENCE

CUSTOMER :
MODEL NO : CM036-20002N
DESCRIPTION : Thermal Module
DIMENSIONS : 228.58X127X16.8 mm
SUNON SPEC. NO. : C01003960G-00
CUSTOMER APPROVAL NO. :
APPROVED BY CUSTOMER :
(AUTHORIZED)

| | | | | |
|-----------------------------|----------------------------|-------------------------------|----------------------|---------------|
| DRAWN Fei Fei | CHECKED Qian | APPROVED Jordan | SPEC. NO | C01003960G-00 |
| | | | ISSUED DATE | 12. 20. 2021 |
| | | | EDITION | 0 |
| | | | REVISION DATE | |

建準電機工業股份有限公司

SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.

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KAOHSIUNG CITY 80673, TAIWAN(R. O. C) FAX:886-7-8230505/8230606/8231010

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SPECIFICATION FOR APPROVAL

CHECK LIST

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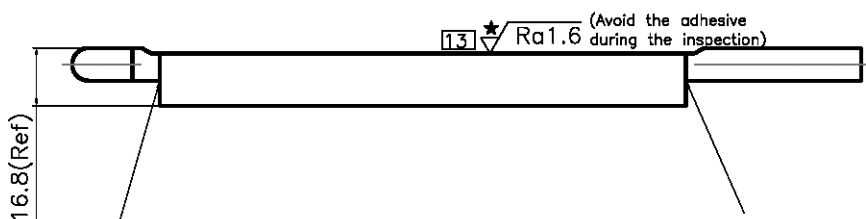
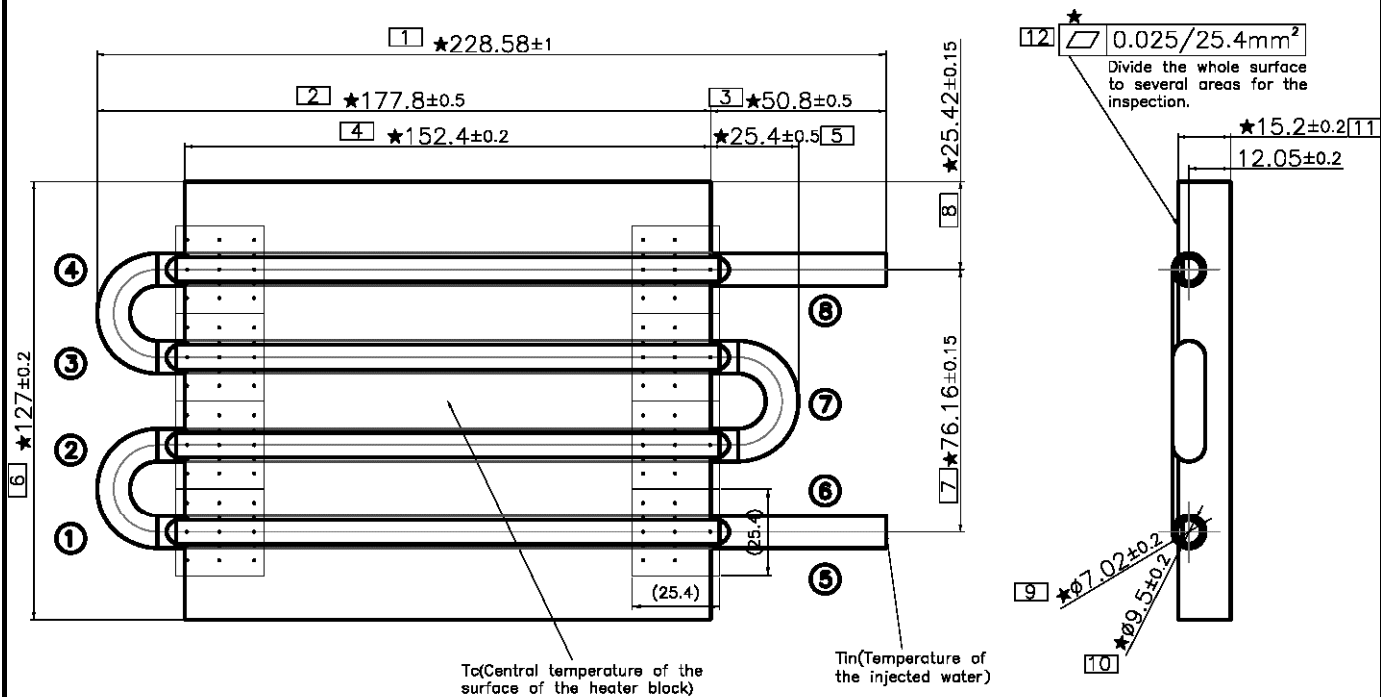
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MODEL : CM036-20002N**1.SPECIFICATIONS**

| | | |
|--|----------------------|----------------------|
| 1. Application | N/A | |
| 2. Heat Sink Dimension | 152.4X127X15.2 mm | |
| 3. Heat Sink Material | AL1050 | |
| 4. Cooling Method | N/A | |
| 5. Thermal Grease / PAD | N/A | |
| 6. Fan Dimension | N/A | |
| 7. Fan Speed (with Heat Sink) | N/A | |
| 8. Fan Airflow (with Heat Sink) | N/A | |
| 9. Fan Rating Voltage | N/A | |
| 10. Fan Rating Current (with Heat Sink) | N/A | |
| 11. Fan Power Consumption (with Heat Sink) | N/A | |
| 12. Fan Bearing Type | N/A | |
| 13. Fan Connector | N/A | |
| 21. Cooling Module Noise | N/A | |
| 15. Fan Operating Voltage Range | N/A | |
| 16. Operating Temperature | -10 to + 70 deg. C | |
| 17. Storage Temperature | -40 to + 70 deg. C | |
| 18. Weight | 922 g | |
| 19. Life Expectance | N/A | |
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2.DIMENSION



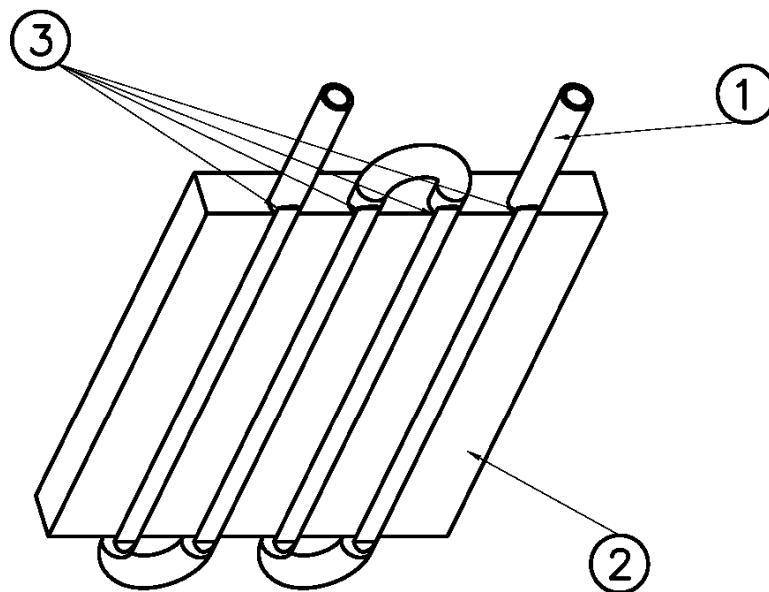
Pot the bottom of the copper tube with the epoxy compound (EMS 498-13A/B 4.5W/m·k). Make sure the compound had hardened completely. The color of the hardened epoxy: gray.

UNIT: mm

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2.DIMENSION



| | | | | |
|------------|-------------|-----------------|------------------------|-----------|
| 3 | Epoxy resin | epoxy | EMS 498-13A/B 4.5W/m·k | -- |
| 2 | Heat Sink | AL1050 | 152.4*127*15.2 HF | 1 |
| 1 | Copper Tube | C1100 | D9.5*d7.02*886.5L HF | 1 |
| 項次 ITEM | 名稱 NAME | 材 質 MATERIAL | 規 格 SPECIFICATION | 數量 QTY |

零 件 表
PART DETAIL LIST

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3.FAI & CPK TEST

1. FAI TEST

FAI DATA SHEET

| | | | | | | | |
|--------------------|----------|----------------|--|-----------------|-----------|---------------|--|
| Part Number : | CM_4PASS | Supplier : | | Date: | 2021/4/23 | New: | |
| Part Description : | | ISR No : | | Cavity / Tool # | | Revised : | |
| Revision : | | Material Spec: | | Inspector: | | Resubmission: | |

MOI-Method of inspection abbreviation: HG = Height gauge, MIC = Micrometer, DC = Dial Caliper, P = Protractor, OC = Optical Comparator, CG = Checking Gauge, CMM = Coordinate Measuring Machine,
 OMM = Optical Coordinate Measuring Machine, HT = Hardness Trestler, TG = Thickness Gauge, VIS = Visual, PG = Plug Gauge,

OTHER:

| DRAWING LOCATION | NOMINAL | +TOL | -TOL | Sample Number | | | | | Deviation from Nominal | | | | | Mean | % Tolerance | | Accept/Reject | | Inspection Method |
|------------------|---------|-------|-------|---------------|---------|--------|--------|---------|------------------------|-------|-------|---------|--------|------|-------------|-------|---------------|--------|-------------------|
| | | | | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | | UPPER | LOWER | HIGH | LOW | |
| | | | | 1 | 228.58 | 1.000 | 1.000 | ##### | 228.830 | ##### | ##### | 228.740 | 0.360 | | 0.250 | 0.140 | 0.470 | 0.160 | |
| 2 | 177.80 | 0.500 | 0.500 | ##### | 177.810 | ##### | ##### | 177.750 | 0.230 | 0.010 | 0.030 | 0.250 | -0.050 | | 50% | 10% | Accept | Accept | CMM |
| 3 | 50.80 | 0.500 | 0.500 | 50.920 | 50.980 | 50.980 | 51.050 | 51.020 | 0.120 | 0.180 | 0.180 | 0.250 | 0.220 | | 50% | 0% | Accept | Accept | CMM |
| 4 | 152.40 | 0.200 | 0.200 | ##### | 152.450 | ##### | ##### | 152.480 | ### | 0.050 | 0.080 | 0.040 | 0.080 | | 40% | 20% | Accept | Accept | CMM |
| 5 | 25.40 | 0.500 | 0.500 | 25.100 | 25.290 | 25.320 | 25.350 | 25.240 | ### | ### | ### | ### | -0.160 | | 0% | 60% | Accept | Accept | CMM |
| 6 | 127.00 | 0.200 | 0.200 | ##### | 127.060 | ##### | ##### | 127.010 | 0.110 | 0.060 | 0.040 | 0.030 | 0.010 | | 55% | 0% | Accept | Accept | CMM |
| 7 | 76.16 | 0.150 | 0.150 | 76.050 | 76.146 | 76.190 | 76.220 | 76.010 | ### | ### | 0.030 | 0.060 | -0.150 | | 40% | 100% | Accept | Alert | CMM |
| 8 | 25.42 | 0.150 | 0.150 | 25.513 | 25.325 | 25.454 | 25.404 | 25.557 | 0.093 | ### | 0.034 | ### | 0.137 | | 91% | 64% | Alert | Accept | CMM |
| 9 | 7.02 | 0.200 | 0.200 | 6.921 | 7.073 | 6.922 | 6.916 | 7.181 | ### | 0.053 | ### | ### | 0.161 | | 81% | 52% | Alert | Accept | CMM |
| 10 | 9.50 | 0.200 | 0.200 | 9.433 | 9.551 | 9.422 | 9.466 | 9.581 | ### | 0.051 | ### | ### | 0.081 | | 40% | 39% | Accept | Accept | CMM |
| 11 | 15.20 | 0.200 | 0.200 | 15.250 | 15.280 | 15.250 | 15.280 | 15.270 | 0.050 | 0.080 | 0.050 | 0.080 | 0.070 | | 40% | 0% | Accept | Accept | CMM |
| 12-1 | 0.025 | 0.000 | 0.025 | 0.003 | 0.004 | 0.005 | 0.003 | 0.005 | ### | ### | ### | ### | -0.020 | | - | 89% | Accept | Alert | CMM |
| 12-2 | 0.025 | 0.000 | 0.025 | 0.004 | 0.009 | 0.003 | 0.007 | 0.019 | ### | ### | ### | ### | -0.006 | | - | 86% | Accept | Alert | CMM |
| 12-3 | 0.025 | 0.000 | 0.025 | 0.005 | 0.009 | 0.005 | 0.011 | 0.006 | ### | ### | ### | ### | -0.019 | | - | 82% | Accept | Alert | CMM |
| 12-4 | 0.025 | 0.000 | 0.025 | 0.004 | 0.003 | 0.002 | 0.004 | 0.004 | ### | ### | ### | ### | -0.022 | | - | 91% | Accept | Alert | CMM |
| 12-5 | 0.025 | 0.000 | 0.025 | 0.003 | 0.002 | 0.003 | 0.003 | 0.003 | ### | ### | ### | ### | -0.022 | | - | 91% | Accept | Alert | CMM |
| 12-6 | 0.025 | 0.000 | 0.025 | 0.002 | 0.006 | 0.002 | 0.004 | 0.003 | ### | ### | ### | ### | -0.022 | | - | 91% | Accept | Alert | CMM |
| 12-7 | 0.025 | 0.000 | 0.025 | 0.003 | 0.004 | 0.005 | 0.003 | 0.005 | ### | ### | ### | ### | -0.020 | | - | 89% | Accept | Alert | CMM |
| 12-8 | 0.025 | 0.000 | 0.025 | 0.004 | 0.003 | 0.003 | 0.014 | 0.006 | ### | ### | ### | ### | -0.019 | | - | 89% | Accept | Alert | CMM |
| 13 | 1.60 | 0.000 | 1.600 | 0.602 | 0.437 | 0.222 | 0.106 | 0.232 | ### | ### | ### | ### | -1.368 | | - | 93% | Accept | Alert | CMM |

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3.FAI & CPK TEST

1.CPK TEST

Model : CM036-20002N(INC-4PASS)

日期 : 2021/11/15

| No | 1 | 2 | 3 | 4 | 5 |
|---------------------------|---------|--------|---------|-----------------------|----------------|
| (Project) | Size#4 | Size#7 | Size#11 | Differential pressure | air-tight test |
| Central value of the spec | 152.400 | 76.160 | 15.200 | | |
| UCL | 152.600 | 76.310 | 15.400 | 500.000 | 0.020 |
| LCL | 152.200 | 76.010 | 15.000 | | |
| UNIT (unit) | mm | mm | mm | Kpa | Mpa |
| ave | 152.408 | 76.154 | 15.201 | 320.668 | 0.000 |
| max | 152.449 | 76.203 | 15.237 | 329.923 | 0.000 |
| min | 152.361 | 76.112 | 15.150 | 309.595 | 0.000 |
| 1 | 152.426 | 76.136 | 15.236 | 329.9 | 0.0 |
| 2 | 152.428 | 76.180 | 15.175 | 326.0 | 0.0 |
| 3 | 152.421 | 76.153 | 15.162 | 325.4 | 0.0 |
| 4 | 152.447 | 76.119 | 15.203 | 328.1 | 0.0 |
| 5 | 152.400 | 76.163 | 15.195 | 316.3 | 0.0 |
| 6 | 152.372 | 76.202 | 15.229 | 320.1 | 0.0 |
| 7 | 152.394 | 76.112 | 15.233 | 328.5 | 0.0 |
| 8 | 152.365 | 76.118 | 15.216 | 309.6 | 0.0 |
| 9 | 152.443 | 76.158 | 15.219 | 315.9 | 0.0 |
| 10 | 152.383 | 76.187 | 15.191 | 319.3 | 0.0 |
| 11 | 152.411 | 76.135 | 15.236 | 322.7 | 0.0 |
| 12 | 152.372 | 76.151 | 15.210 | 315.2 | 0.0 |
| 13 | 152.443 | 76.133 | 15.160 | 321.9 | 0.0 |
| 14 | 152.417 | 76.148 | 15.195 | 316.2 | 0.0 |
| 15 | 152.413 | 76.128 | 15.229 | 324.2 | 0.0 |
| 16 | 152.402 | 76.190 | 15.227 | 316.5 | 0.0 |
| 17 | 152.361 | 76.196 | 15.190 | 325.9 | 0.0 |
| 18 | 152.391 | 76.165 | 15.230 | 317.4 | 0.0 |
| 19 | 152.449 | 76.147 | 15.237 | 315.9 | 0.0 |
| 20 | 152.362 | 76.155 | 15.168 | 323.0 | 0.0 |
| 21 | 152.410 | 76.203 | 15.177 | 323.9 | 0.0 |
| 22 | 152.396 | 76.138 | 15.211 | 323.4 | 0.0 |
| 23 | 152.445 | 76.200 | 15.151 | 323.9 | 0.0 |
| 24 | 152.423 | 76.186 | 15.159 | 315.9 | 0.0 |
| 25 | 152.374 | 76.144 | 15.218 | 319.3 | 0.0 |
| 26 | 152.406 | 76.121 | 15.186 | 322.7 | 0.0 |
| 27 | 152.443 | 76.119 | 15.207 | 315.2 | 0.0 |
| 28 | 152.399 | 76.137 | 15.198 | 321.9 | 0.0 |
| 29 | 152.390 | 76.118 | 15.227 | 316.2 | 0.0 |
| 30 | 152.422 | 76.168 | 15.154 | 324.2 | 0.0 |
| 31 | 152.439 | 76.193 | 15.215 | 316.5 | 0.0 |
| 32 | 152.406 | 76.148 | 15.227 | 325.9 | 0.0 |
| 33 | 152.368 | 76.128 | 15.150 | 317.4 | 0.0 |
| 34 | 152.439 | 76.152 | 15.195 | 315.9 | 0.0 |
| 35 | 152.405 | 76.161 | 15.232 | 323.0 | 0.0 |

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3.FAI & CPK TEST

2.CPK TEST

Model : CM036-20902N(INC-4PASS)

日期 : 2021/11/15

| No | 1 | 2 | 3 | 4 | 5 |
|---------------------------|---------|--------|---------|-----------------------|----------------|
| (Project) | Size#4 | Size#7 | Size#11 | Differential pressure | air-tight test |
| Central value of the spec | 152.400 | 76.160 | 15.200 | | |
| UCL | 152.600 | 76.310 | 15.400 | 500.000 | 0.020 |
| LCL | 152.200 | 76.010 | 15.000 | | |
| UNIT (unit) | mm | mm | mm | Kpa | Mpa |
| ave | 152.400 | 76.162 | 15.207 | 320.668 | 0.000 |
| max | 152.446 | 76.210 | 15.250 | 329.923 | 0.000 |
| min | 152.350 | 76.110 | 15.155 | 309.595 | 0.000 |
| 1 | 152.396 | 76.180 | 15.214 | 329.9 | 0.0 |
| 2 | 152.433 | 76.193 | 15.250 | 326.0 | 0.0 |
| 3 | 152.406 | 76.166 | 15.170 | 325.4 | 0.0 |
| 4 | 152.406 | 76.201 | 15.194 | 328.1 | 0.0 |
| 5 | 152.361 | 76.133 | 15.246 | 316.3 | 0.0 |
| 6 | 152.429 | 76.161 | 15.164 | 320.1 | 0.0 |
| 7 | 152.362 | 76.153 | 15.219 | 328.5 | 0.0 |
| 8 | 152.429 | 76.136 | 15.207 | 309.6 | 0.0 |
| 9 | 152.440 | 76.178 | 15.249 | 315.9 | 0.0 |
| 10 | 152.384 | 76.184 | 15.221 | 319.3 | 0.0 |
| 11 | 152.385 | 76.189 | 15.234 | 322.7 | 0.0 |
| 12 | 152.415 | 76.130 | 15.155 | 315.2 | 0.0 |
| 13 | 152.397 | 76.206 | 15.158 | 321.9 | 0.0 |
| 14 | 152.413 | 76.145 | 15.238 | 316.2 | 0.0 |
| 15 | 152.410 | 76.127 | 15.201 | 324.2 | 0.0 |
| 16 | 152.387 | 76.163 | 15.204 | 316.5 | 0.0 |
| 17 | 152.350 | 76.112 | 15.238 | 325.9 | 0.0 |
| 18 | 152.375 | 76.158 | 15.195 | 317.4 | 0.0 |
| 19 | 152.393 | 76.123 | 15.237 | 315.9 | 0.0 |
| 20 | 152.430 | 76.164 | 15.232 | 323.0 | 0.0 |
| 21 | 152.365 | 76.114 | 15.241 | 323.9 | 0.0 |
| 22 | 152.428 | 76.169 | 15.207 | 323.4 | 0.0 |
| 23 | 152.386 | 76.194 | 15.217 | 323.9 | 0.0 |
| 24 | 152.410 | 76.198 | 15.214 | 315.9 | 0.0 |
| 25 | 152.420 | 76.169 | 15.215 | 319.3 | 0.0 |
| 26 | 152.428 | 76.187 | 15.160 | 322.7 | 0.0 |
| 27 | 152.393 | 76.210 | 15.207 | 315.2 | 0.0 |
| 28 | 152.381 | 76.186 | 15.189 | 321.9 | 0.0 |
| 29 | 152.387 | 76.131 | 15.184 | 316.2 | 0.0 |
| 30 | 152.428 | 76.182 | 15.182 | 324.2 | 0.0 |
| 31 | 152.446 | 76.159 | 15.158 | 316.5 | 0.0 |
| 32 | 152.422 | 76.138 | 15.248 | 325.9 | 0.0 |
| 33 | 152.376 | 76.110 | 15.158 | 317.4 | 0.0 |
| 34 | 152.373 | 76.130 | 15.209 | 315.9 | 0.0 |
| 35 | 152.370 | 76.202 | 15.218 | 323.0 | 0.0 |

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3.FAI & CPK TEST

Quality comprehensive confirmation DATA SHEET

Control run, Try run, Mass n

| | | |
|---------|--------|---------|
| Approve | Review | Prepare |
| | | |

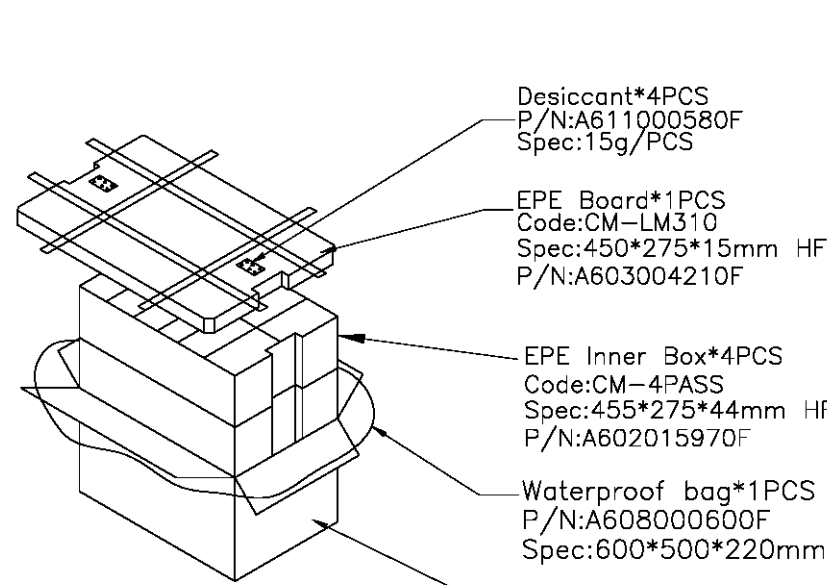
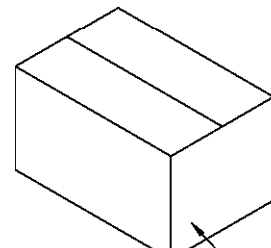
Model : CM036-20002N(INC-4PASS)

| NO | Project(mm) | Control run | | | | | | | Try run | | | | | | | Reference | | |
|----|-----------------------|-----------------|---------|----------------------|---------|---------|-----|------------------------|---------|-----------------|----------------------|-------|---------|---------|------------------------|-----------|---------|--|
| | | Spec | Average | Standard deviation σ | Max | Min | NO. | Project ability cp cpk | Spec | Average | Standard deviation σ | Max | Min | NO. | Project ability cp cpk | | | |
| 1 | Size#4 | 152.20-152.60mm | 152.400 | 0.026 | 152.446 | 152.350 | 35 | 2.603 | 2.598 | 152.20-152.60mm | 152.408 | 0.027 | 152.449 | 152.361 | 35 | 2.464 | 2.371 | |
| 2 | Size#7 | 76.01-76.31mm | 76.162 | 0.030 | 76.210 | 76.110 | 35 | 1.686 | 1.660 | 76.01-76.31mm | 76.154 | 0.028 | 76.203 | 76.112 | 35 | 1.815 | 1.743 | |
| 3 | Size#11 | 15.00-15.40mm | 15.207 | 0.030 | 15.250 | 15.155 | 35 | 2.243 | 2.168 | 15.00-15.40mm | 15.201 | 0.028 | 15.237 | 15.150 | 35 | 2.384 | 2.367 | |
| 4 | Differential pressure | ≤500Kpa | 320.668 | 4.776 | 329.923 | 309.595 | 35 | 17.447 | 12.515 | ≤500Kpa | 320.668 | 4.776 | 329.923 | 309.595 | 35 | 17.447 | 12.515 | |
| 5 | air-tight test | ≤0.020Mpa | 0.000 | 0.000 | 0.000 | 0.000 | 35 | #DIV/0! | #DIV/0! | ≤0.020Mpa | 0.000 | 0.000 | 0.000 | 0.000 | 35 | #DIV/0! | #DIV/0! | |

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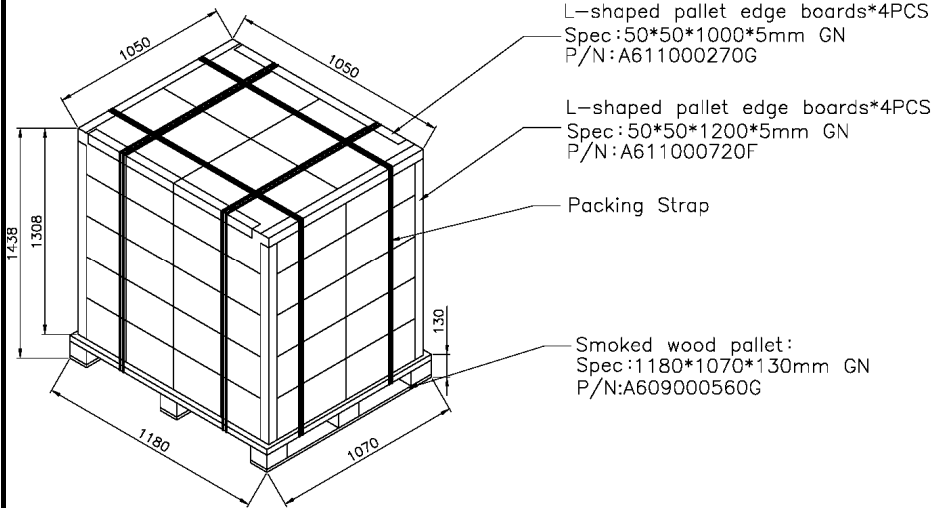
4.Package

| | | | | | | |
|---|--|-------------|-----|------|--------|---|
| | 6 | 5 | 4 | 3 | 2 | 1 |
| H |  | | | | | H |
| G | <p>Desiccant*4PCS P/N:A611000580F Spec:15g/PCS</p> <p>EPE Board*1PCS Code:CM-LM310 Spec:450*275*15mm HF P/N:A603004210F</p> <p>EPE Inner Box*4PCS Code:CM-4PASS Spec:455*275*44mm HF P/N:A602015970F</p> <p>Waterproof bag*1PCS P/N:A608000600F Spec:600*500*220mm HF</p> <p>Carton(5-layer Corrugated fiberboard AB/Flute) Code:4729-2 Spec:470*290*218mm HF P/N:A601004180F TEXTURE: (outer liner) Grade A-200G/ (fluting)100g/(fluting)100g/(fluting)150g (outer liner) Grade A-200g; Bursting Strength≥12 kgf/cm²;BCT≥300 kg Refer to F401003180F for printing specifications of the carton</p> | | | | | G |
| F |  <p>FCL Finished Product</p> | | | | | F |
| E | <p>Procedure:</p> <p>Step:①Place the waterproof bag inside the carton, and put desiccants at each corner of the carton.</p> <p>②Put finished products inside the EPE Inner box, 2 units per tray, 4 trays stacked in total. Place a EPE board on the top, with BOPP tapes for wrapping.</p> <p>③Place desiccants at each top corner of the EPE board and organize the bag opening. Finish the packing by sealing the carton with BOPP packing tapes.</p> | | | | | E |
| D | <p>Parts and raw materials used in this product shall not contain any prohibited and hazardous substance pertained to <List of Environmental Hazardous Substance Inspection Techniques and Standards> of Sunonwealth Electric Machine Industry Co., Ltd.</p> <p style="text-align:center;">注意事項 NOTICE</p> <p>Applicable Client: For Customization Applicable Model: CM036-20002N ★: With this mark, inspect the dimension.</p> | | | | | D |
| C | SPEC. of MC | P/N of MC | QTY | Cuft | Code | Carton: Corrugate Fiberboard/ EPE Inner Box 材 質 MATERIAL |
| | 470*290*218 | A601004180F | 8 | 1.05 | 4729-2 | 適 用 範 圍 SCOPE |

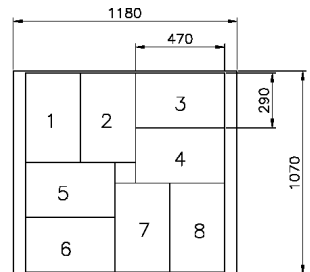
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4.Package



Carton Layout



NOTICE:

1. 8 cartons per layer, 6 layers in total (48 Carton/Pallet).
2. Tightly wrap around the pallet with wrapping films.

| NO. | Model | SPEC. of carton | Carton/Pallet | pcs/Carton | pcs/Pallet | N.W | G.W |
|-----|--------------|-----------------|---------------|------------|------------|-----|-----|
| 1. | CM036-20002N | 470*290*218 | 48 | 8 | 384 | 354 | 417 |

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Notes

I. SPECIFICATION MODIFICATION

1. SUNON offers engineering assistance on module installation and cooling system design.
2. All changes, modifications and/or revisions to the specifications, if any, are incorporated in the attached specifications.
3. No changes, modifications and/or revisions to these specifications are effective absent agreement, by both SUNON and the customer, in writing.
4. This module will be shipped in accordance with the attached specification unless SUNON and the customer have agreed otherwise, in writing, as specified in Paragraph 3, above.

II. OTHER

1. DO NOT operate this module in proximity to hazardous materials such as organic silicon, cyanogens, formalin, phenol, or corrosive gas environments including, but not limited to, H₂S, SO₂, NO₂, or Cl₂.
2. Unless otherwise noted, all testing of this module is conducted at 25°C ambient temperature and sixty-five percent (65%) relative humidity.
3. DO NOT store this module in an environment with high humidity. This module must be stored in accordance with the attached specifications regarding storage temperature. If this module is stored for more than 6 months, SUNON recommends functional testing before using.
4. SUNON reserves the right to use components from multiple sources at its discretion. The use of components from other sources will not affect the specifications as described herein.

III. WARRANTY

This module is warranted against all defects which are proved to be fault in our workmanship and material for one year from the date of our delivery. The sole responsibility under the warranty shall be limited to the repair of the module or the replacement thereof, at SUNON's sole discretion. SUNON will not be responsible for the failures of its module due to improper handling, misuse or the failure to follow specifications or instructions for use. In the event of warranty claim, the customer shall immediately notify SUNON for verification. SUNON will not be responsible for any consequential damage to the customer's equipment as a result of any module proven to be defective.

SUNONWEALTH ELECTRIC
MACHINE INDUSTRY CO., LTD.
建準電機工業股份有限公司

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Declaration of RoHS

Control declaration of environment- related substances/ materials

1. In accordance with the Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU, Sunon product have complied with law and discipline not to employ the forbidden substances, and restrict the allowable concentration of some limited substances deliberately in our components.

| No | Substance | Criteria |
|----|--|---|
| 1 | CFCs & HCFCs (ozone depleting substances) | Forbidden |
| 2 | Chlorinated Organic Solvent | Forbidden |
| 3 | Lead and its compounds | Plastic (Frame, Impeller, wire harness, etc.) <100ppm |
| | | Solder <1000ppm |
| | | Steel alloy <3500ppm |
| | | Aluminium alloy <4000ppm |
| | | Copper alloy <4wt% |
| 4 | Cadmium and its compounds | Solder <20ppm |
| | | Parts composed of metals containing zinc (e.g. brass, zinc for die casting) <100ppm |
| | | Plastic <5ppm |
| 5 | PBBs and PBDEs | Forbidden |
| 6 | PCB and PCT | Forbidden |
| 7 | CP, Short-chain Chlorinated paraffins C10-13, Cl \geq 48 wt% | Forbidden |
| 8 | Mirex | Forbidden |
| 9 | PCN | Forbidden |
| 10 | Hexavalent Chromium compounds | <100ppm |
| 11 | Mercury and its compounds | Forbidden |
| 12 | Asbestos | Forbidden |
| 13 | Organic Tin compounds | Forbidden |
| 14 | Azo compounds | Forbidden |
| 15 | TBBP-A in external case plastic parts of products (PCB is exempted) | <1000ppm |
| 16 | Nickel in external case parts, which are likely to result in prolonged skin exposure | <1000ppm |
| 17 | Hexabromocyclododecane (HBCDD) | <1000ppm |
| 18 | Di-butyl Phthalate (DBP) | <1000ppm |
| 19 | Benzyl butyl Phthalate (BBP) | <1000ppm |
| 20 | Di-ethylhexyl Phthalate (DEHP) | <1000ppm |
| 21 | Di-isobutyl Phthalate (DIBP) | <1000ppm |

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