SUNON

SPECIFICATION FOR APPROVAL

FOR REFERENCE

CUSTOMER :

MODEL NO : **SM423-22001Y**

DESCRIPTION : Thermal Module

DIMENSIONS : 118X92.7X65.98 mm

SUNON SPEC. NO. : C02006670F-02

CUSTOMER

APPROVAL NO.

APPROVED BY

CUSTOMER :

(AUTHORIZED)

DRAWN	CHECKED	APPROVED	SPEC. NO	C02006670F-02
			ISSUED DATE	11. 29. 2023
Zhangye	Qian	Qian	EDITION	0
			REVISION DATE	

建準電機工業股份有限公司

SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.

No. 30, LN. 296, XINYA RD., QIANZHEN DIST TEL:886-7-8135888

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

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SPECIFICATION FOR APPROVAL

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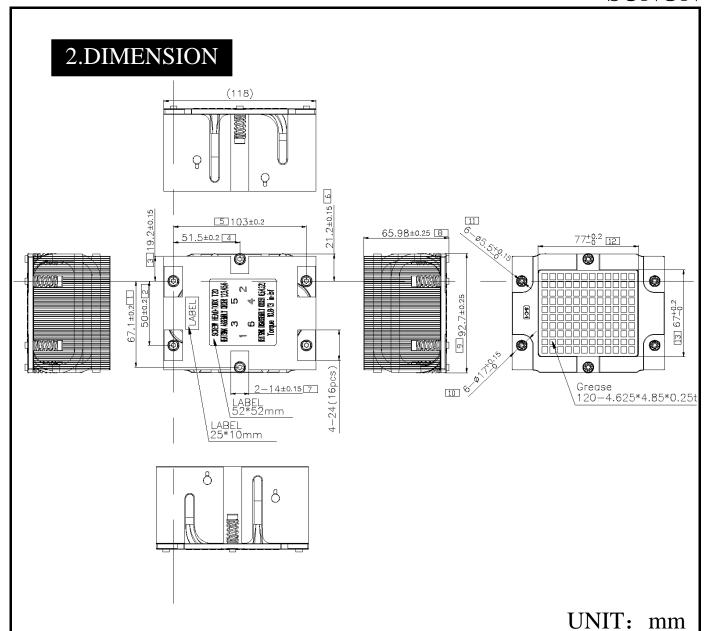
MODEL: SM423-22001Y

1.SPECIFICATIONS

1. Application	CPU=400W	7		
2. Heat Sink Dimension	118X92.4X4	4.5mm		
3. Heat Sink Material	ADC10+NI			
4. Cooling Method	N/A			
5. Thermal Grease / PAD	X-23-7762	_	_	
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 c	deg. C		
17. Storage Temperature	-40 to + 70 c	deg. C		
18. Weight	521 g			
19. Life Expectance	N/A			
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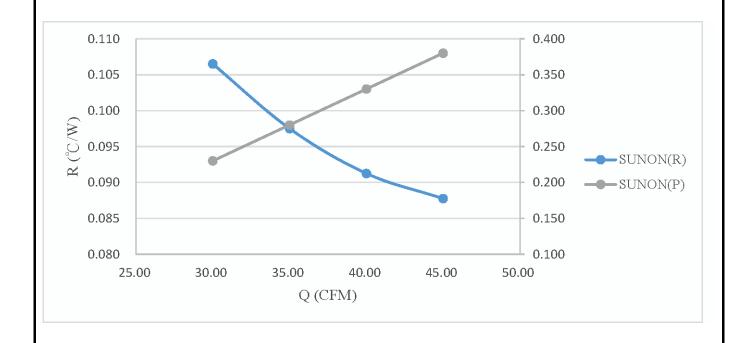
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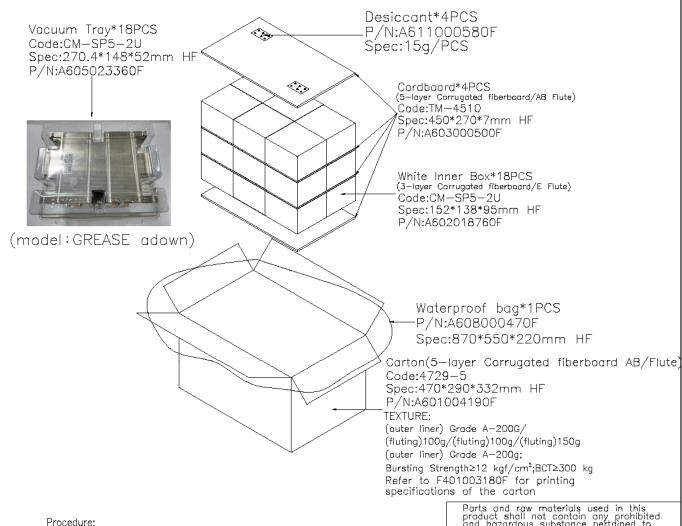
3.Heatsink Performance



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4.Package



Step: Place the waterproof bag inside the carton, and put desiccants at each corner of the carton.

@Put finished products into the vacuum tray and then into the white inner box, 1PCS/box.

Put the white inner box into the carton, 6PCS/layer, 3 layers in total. Put cardboards between each layer and at the top and bottom.

@Place desiccants at each top corner of the top cardboard, organize the bag opening and seal the bag.

Finish the packing by sealing the carton with BOPP packing tapes.

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.

注意事項 NOTICE

Applicable Client: For Customization Applicable Model:

SM423-22001Y

SPEC. of MC	P/N of MC	QTY	Cuft	Code		★: With this mark, inspect the dimension.
470*290*332	A601004190F	18	1.6	4729-5	材 質 MATERIAL	適用範圍 SCOPE

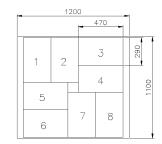
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4.Package

L-shaped pallet edge boards*4PCS Spec:50*50*1000*5mm GN P/N:A611000270G L-shaped pallet edge boards*4PCS Spec:50*50*1200*5mm HF P/N:A611000720F Packing Strap 1328 Smoked wood pallet: -Spec:1200*1100*137mm HF P/N:A609000470F 1200 1100 Cortan/Pallet pcs/Carton pcs/Pallet

SM423-22001Y

Carton Layout



G.W

421kg

300kg

- 8 cartons per layer, 4 layers in total (32 Carton/Pallet).
 Place the labels outward.
 Tightly wrap around the pallet with wrapping films.

18

SPEC. of carton

470*290*332

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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 handing, 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.

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Declaration of Restricted Materials

Control declaration of environment- related substances/ materials

1. In accordance with the Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU and specific market requirements, SUNON Halogen-Free 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	No Substance		Criteria
1	CFCs & HCFCs (ozone depleting substances)		Forbidden
2	Chlorinated Organic Solvent		Forbidden
	8	Plastic (Frame, Impeller, wire harness, etc.)	<100ppm
		Solder	<1000ppm
3	Lead and its compounds	Steel alloy	<3500ppm
		Aluminium alloy	<4000ppm
		Copper alloy	<4wt%
	Cadmium and its	Solder Parts composed of metals containing zinc	<20ppm
4	compounds	(e.g. brass, zinc for die casting)	<100ppm
	compounds	Plastic	<5ppm
5	PBBs and PBDEs		Forbidden
6	PCB and PCT		Forbidden
7	· · · · · · · · · · · · · · · · · · ·	ted paraffins C10-13, Cl≥48 wt%	Forbidden
8	Mirex		Forbidden
9	PCN		Forbidden
10	0 Hexavalent Chromium compounds		<100ppm
11	Mercury and its compoun	ds	Forbidden
12	2 Asbestos		Forbidden
13	3 Organic Tin compounds		Forbidden
21	1 Azo compounds		Forbidden
15	5 TBBP-A in external case plastic parts of products (PCB is exempted)		<1000ppm
16	· · · · · · · · · · · · · · · · · · ·		<1000ppm
17	7 Hexabromocyclododecane (HBCDD)		<1000ppm
18	, ,		<1000ppm
19	Benzyl butyl Phthalate (BB	·	<1000ppm
20	Di-ethylhexyl Phthalate (DEHP)		<1000ppm
21	Di-isobutyl Phthalate (DIBP)		<1000ppm
	Brominated/chlorinated flame retardants (other than PBBs or PBDEs),		Br<900ppm
22	11 /	bobbin, impeller, lear wire, connector, mylar	Cl<900ppm
	insulator.		Br+Cl<1500ppm
23	PAHs and its 16 compoun	ds in unusual contact material	BaP < 20ppm
			Total <200ppm PFOS <1000ppm;
	PCB and electroplating m	B and electroplating material, PFOS content complianced with	
24 2006/122/EC		,	coating material
			$PFOS \leq 1 \mu g/m^2$

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