



2024.04.10 – Rev.0

SPECIFICATION FOR APPROVAL

CUSTOMER NAME	
CUSTOMER P/N	
HIPOWER P/N	176093
RFQ / Sample No.	O-25108/S-25070
Product DESCRIPTION	3-Phase CM Choke 10.5mH/40A
REVISION	A1
DATE	2026.04.22

CUSTOMER	☐ Approved
	☐ Conditional Approved Comment: _____ _____
Approved by:	

BLDG 10#, No.1188 Zhongguan Road
315221 – Zhenhai, Ningbo CHINA
Tel: 0086 (574) 8667 1366
Email: sales@trafopsu.com
Web: www.trafopsu.com

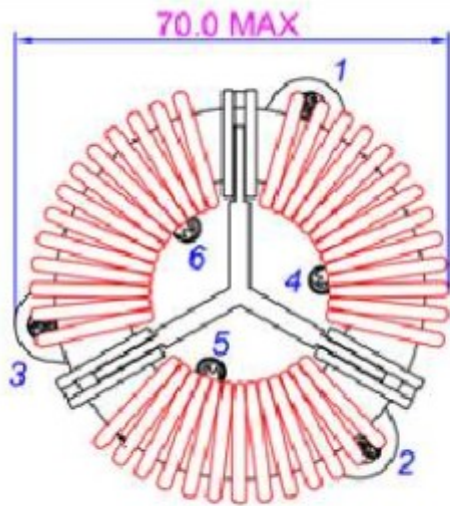
HIPOWER ELECTRONICS CO.,LTD

Created	Checked	Approved
HAY	GAZ	JEP

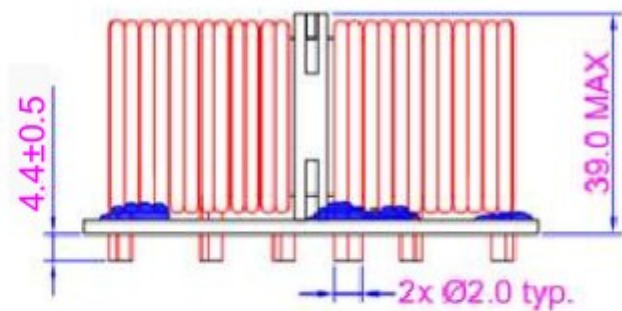
REVISION TABLE

REV.	DESCRIPTION / REASON	DATE	APPROVAL
A	First issued and add marking	2025.11.30	HAY
A1	Update the pin length from 5 to 4.4 ± 0.5 mm	2026.04.22	JEP

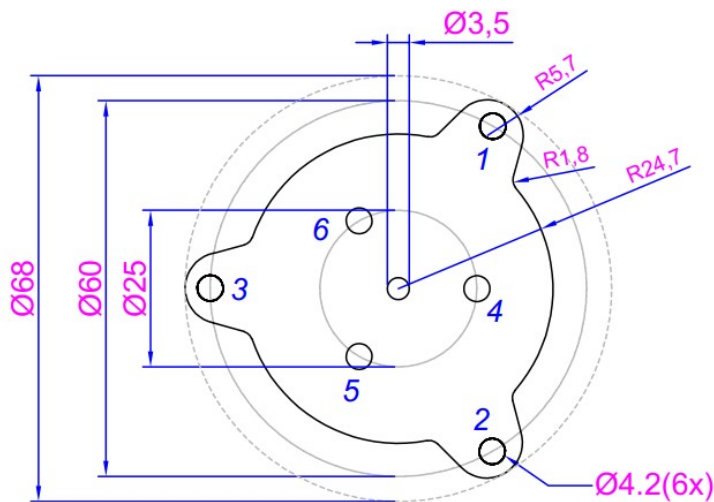
1. APPEARANCE & DIMENSIONS (UNIT: mm)



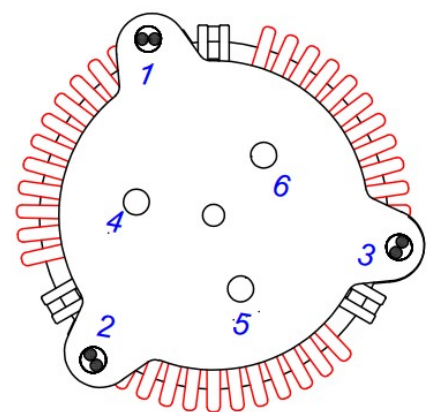
TOP VIEW



SIDE VIEW



BASE TOP VIEW



BOTTOM VIEW

2. CHEMATICS



Marking:

Customer
Batch number

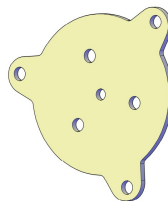
● Winding start

3. WINDING SPECIFICATIONS

No.	Groups	Pins	Ts	Wire	Winding method
1	N1	1-4	10	Φ2.0mmx2P QZY-2/180°C	Counterclockwise
2	N2	2-5	10	Φ2.0mmx2P QZY-2/180°C	Counterclockwise
3	N3	3-6	10	Φ2.0mmx2P QZY-2/180°C	Counterclockwise

Notes:

1. The base is 2.0 mm thickness FR4 material.
2. Coil is fixed to base with adhesive.
3. Lead outs tinned and 4mm to 6mm long.
4. Inductance close to 10.5mH.



4. ELECTRICAL CHARACTERISTICS

PARAMETER	TEST CONDITIONS	VALUE
INDUCTANCE L1=L2=L3	10.0KHz / 0,1VAC, Ls	10.5mH±50%
DC Resistance	TH2510B	3.2mΩ Max.
RATED VOLTAGE	50Hz	760Vac
DIELECTRIC Pri. to Core	3000VAC, 2 seconds	50Hz / 5mA
URNS RATIO	(1-4) : (2-5) : (3-6)	1:1:1 ±1%

5. LIST OF MATERIALS

No	Item Description	Maker	Maker P/N	Data & Comments
01	Nano-crystalline magnetic ring	1017B	53x36x20	N/A
02	Plastic case for core	NANTONG ORIENT PLASTICS CO LTD	PBT 3080G	UL E332375
03	Baseplate FR4	KingBoard	KB-6150	E123995
04	Copper wire Φ2.0mm	SAINT	QZY-2/180 Φ2.0mm	UL E194410
05	Epoxy glue	HUANCHUANG	808A-H / 808B-H	UL E304477

6. PACKAGE SPECIFICATIONS

Part to be packaged in such a manner as to keep away from humidity and physical damage and marked as following.

- a. The number of contents
- | | |
|-----------------------------------|--------|
| number of products per layer : | pieces |
| number of layers per outer box: | layers |
| number of products per outer box: | pieces |

- b. Weights

Weights of unit product:	280.0 g
Gross weights of outer box:	Kg

