




# SPECIFICATION FOR APPROVAL

**CUSTOMER:** K115

**DESCRIPTION:** 1000W MAIN TRANSFORMER

**YAXIN PART NO:** YXS61615T Rev:A

**CUSTOMER PN:** 1000W-800V12V-PQ3230 Rev:A

CHOP&SIGNATURES:(YAXIN PREPARED)		
MADE BY	CHECKED BY	APPROVED BY
 Liu Hai Zhen 2023.04.11 ENG	 Yue Xiao Jun 2023.04.11 ENG	 Owen 2023.04.11 ENG

CUSTOMER APPROVAL



ISO9001:2008



ISO14001:2004



IATF16949:2016



File no:E342506

## The environmental requirements



No red phosphorus



YAXIN DESIGN



APPROVAL SAMPLE SUBMIT									
PROTOTYPE SAMPLE			DV SAMPLE			PV SAMPLE			NOTE
QTY'S(PCS)	DATE	APPROVED	QTY'S(PCS)	DATE	APPROVED	QTY'S(PCS)	DATE	APPROVED	

**CONTACT:**

E-mail:yaxin.Ken@yx-magnetics.net

TEL:+86-755-33691163 ext 8032

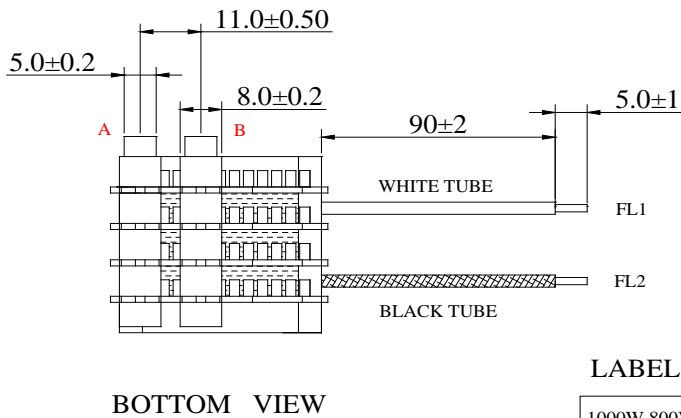
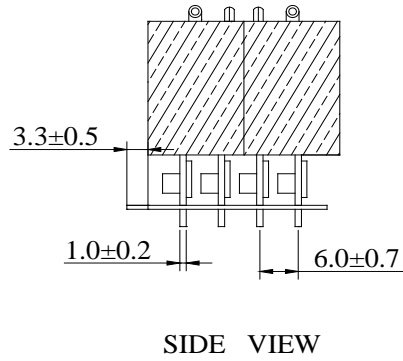
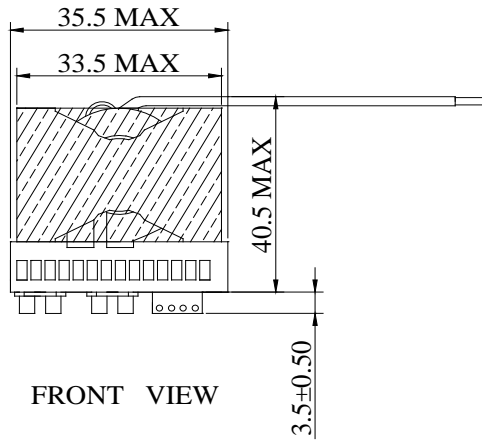
ADD:Innovation Park,GenYu Road,GuangMing New District,Shenzhen City,Guangdong Province,China

ADD:NO 1828, Wuyang Avenue, Economic Development Zone Huaihua, Hunan China



# SPECIFICATION

## MECHANICAL SPECIFICATION: (mm)



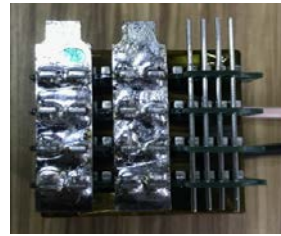
### LABEL:

1000W	800V	12V LLC	800uH
YAXIN	YYWW	X	

REV:版本

WW:周 (1: 01; 2: 02...)

YY:年 (2023: 23; 2024: 24...)

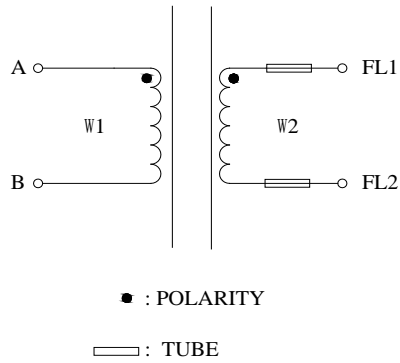


### NOTES:

1. Wrap two turns tape to fix two cores.
2. Windings must wrap two turns tape and the tape extend into coils around 3mm.
3. The core joint is fixed with four points of epoxy glue.

# SPECIFICATION

## SCHEMATIC:



## WINDING DIAGRAM:

## WINDING DIAGRAM

WINDING	WIRE	S-F	TURNS(Ts)	TAPE(Ts)	REMARK
W2	Φ0.30mm*7C*1P TRIPLE WIRE	FL1-FL2	11+10+11		
W1	PCBA*4PCS	A-B	1+1		

## ELECTRICAL CHARACTERISTIC:AT 25°C

NO.	PARAMETER	SPECIFICATION LIMITS	MEASURING CONDITION	MEASURING EQUIPMENT
a	L(FL1-FL2)	800uH±5%	100KHz/ 1.0V	CHROMA3302 OR EQUIV
b	DCR(FL1-FL2)	70mΩ Max	25°C	502BC OR EQUIV
c	INSULATION RESISTANCE (WINDING-CORE)	500VDC100 MΩ Min		CHROMA19053 OR EQUIV
	INSULATION RESISTANCE (PRI-SEC)	500VDC100 MΩ Min		CHROMA19053 OR EQUIV
d	HI-POT(PRI-SEC)	3000V/AC 60 seconds,1mA,60HZ		CHROMA19053 OR EQUIV
	HI-POT(PRI-CORE)	3000V/AC 60 seconds,1mA,60HZ		CHROMA19053 OR EQUIV
	HI-POT(SEC-CORE)	600V/AC 60 seconds,1mA,60HZ		CHROMA19053 OR EQUIV

# SPECIFICATION

## MATERIAL LIST: All RoHS Compliant

NO.	ITEM	MATERIAL	RATING	UL NO.	MANUFACTURER
1	FERRITE CORE	PQ3230 DMR95	NA	NA	DMEGC MAGNETICS CO.,LTD
		PQ3230 HE6	NA	NA	HPC DONGYANGGUANG MAGNETICS CO.,LTD
		PQ3230 TPW33	NA	NA	TDG HOLDING CO.,LTD
2	PCBA	of Customer	NA	NA	
3	COPPER FOIL	of Customer C1100	NA	NA	
4	INSULATION TAPE	PF-301	180°C	E165111	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD
		PB416F	180°C	E81174	CHYUN YIH TAPE CO LTD
		#92	180°C	E17385	3M COMPANY
5	NOMEX	NOMEX 410	220°C	E172395	E I DUPONT DE NEMOURS & CO INC
6	TRIPLE WIRE	TIW-2X#	130°C	E166483	TOTOKU ELECTRIC CO LTD
		TEX-E	130°C	E206440	FURUKAWA ELECTRIC CO LTD
7	TUBE	TFL	200°C	E156256	GREAT HOLDING INDUSTRIAL CO LTD
		CB-TT-L	200°C	E180908	CHANGYUAN ELECTRONICS GROUP CO LTD
8	EPOXY	3300HF	NA	E218090	DONGGUAN EATTO ELECTRONIC MATERIAL CO LTD
		3300ZH-F	NA	E218090	DONGGUAN EATTO ELECTRONIC MATERIAL CO LTD
		EP3189H-KS	NA	E475498	DONGGUAN CITY ERLANG INDUSTRIAL CO LTD
		G657	NA	E475498	DONGGUAN CITY ERLANG INDUSTRIAL CO LTD