



亞信電子
YAXIN ELECTRONIC TECH

SPECIFICATION FOR APPROVAL

CUSTOMER: K115

DESCRIPTION: 1000W RESONANT CHOKE

YAXIN PART NO: YXS50494T Rev:A

CUSTOMER PN: RESONANT CHOKE 13uH Rev:A

CHOP&SIGNATURES:(YAXIN PREPARED)		
MADE BY	CHECKED BY	APPROVED BY
Yue Jun	Yue Jun	Owen

CUSTOMER APPROVAL



ISO9001:2008



ISO14001:2004



IATF16949:2016



File no:E342506

The environmental requirements



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:

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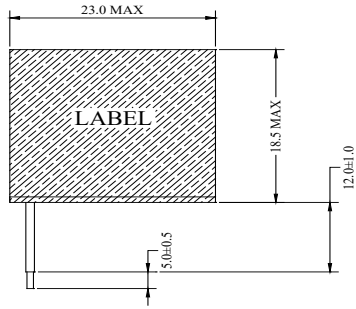
Address:Innovation Park,GenYu Road,GuangMing New District,Shenzhen City,Guangdong Province,China

SPECIFICATION

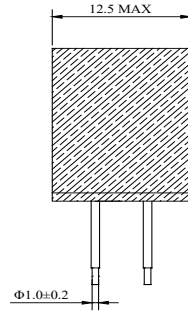
CHANGE HISTORY			
REVISION	CHANGE REASON	DESCRIPTION	DATE
A	Initial		2019.08.15

SPECIFICATION

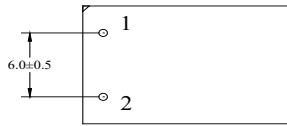
MECHANICAL SPECIFICATION: (mm)



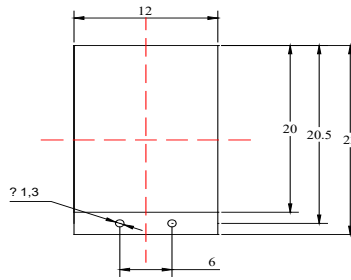
FRONT VIEW



SIDE VIEW



BOTTOM VIEW



PCB LAYOUT

LABEL

1000W RESONANT CHOKE 13uH
YAXIN YYWW X

REV:版本

WW:周 (1: 01; 2: 02...)

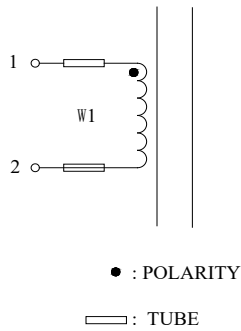
YY:年 (2019: 19; 2020: 20...)

NOTES:

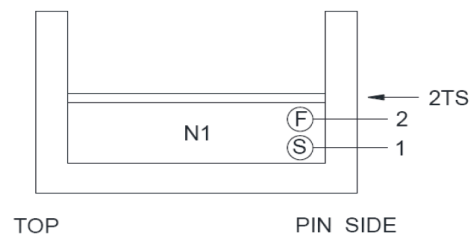
1. Wrap two turns tape to fix two cores.
2. Windings must wrap two turns tape and the tape extend into coils around 3mm.
3. Need vacuum varnish process.(The vacuum need have 75cmHg and work time should be 10~15minute.)

SPECIFICATION

SCHEMATIC:



WINDING STACK UP:



WINDING DIAGRAM

WINDING	WIRE	S-F	TURNS(Ts)	TAPE	REMARK
W1	Φ0.1mm*70C 2UEW-F	1-2	9Ts	2 Layer	

NOTES:

ELECTRICAL CHARACTERISTIC:AT 25°C

Loc.	PARAMETER	SPECIFICATION LIMITS	MEASURING CONDITION	MEASURING EQUIPMENT
a	L(1-2)	13uH±7%	100KHz/ 1.0V	HP4284A OR EQUIV
	I-Sar=10A	10uH MIN	100KHz/ 1.0V	HP4284A OR EQUIV
b	Q(1-2)	150 MIN	100KHz/ 1.0V	HP4284A OR EQUIV
c	DCR(1~2)	18mΩ Max		CHROMA 16502 OR EQUIV
d	INSULATION RESISTANCE (Winding-Core)	100 M ohm Min	at 500 VDC	CHROMA 19073 OR EQUIV
e	HI-POT(Winding-CORE)	600V/AC	AT 1 seconds,1mA,60HZ	CHROMA 19073 OR EQUIV
f	LAYER SHORT TEST	1200V/AC	AREA SIZE:±10% (Ref)	CHROMA 19305 OR EQUIV

SPECIFICATION

5.MATERIAL LIST(All RoHS Compliant):

NO.	NAME	MATERIAL	RATING	UL NO.	MANUFACTURER
1	FERRITE CORE	PQ2011 DMR95	NA	NA	DMEGC MAGNETICS CO.,LTD
		PQ2011 HE6	NA	NA	HPC DONGYANGGUANG MAGNETICS CO.,LTD
		PQ2011 PG313	NA	NA	GUANGDONG FENGHUA ADVANCED HOLDING CO LTD
2	BASE	FR-1 & FR-4	130℃	E123995	KINGBOARD LAMINATES LTD
3	INSULATION TAPE	PF-301	180℃	E165111	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD
		PB416F	180℃	E81174	CHYUN YIH TAPE CO LTD
		#92	180℃	E17385	3M COMPANY
		1388Y-1	130℃	E17385	3M COMPANY ELECTRICAL MARKETS DIV(EMD)
		CT-280	130℃	E165111	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD
4	NOMEX	NOMEX 410	220℃	E172395	E I DUPONT DE NEMOURS & CO INC
5	WIRE	Xuew@/155	155℃	E334055	SHENZHEN JIAZHENGXIN INDUSTRIAL CO LTD
		Xuew-F@/155	155℃	E339217	ZHUHAI WEIHAN WIRE CO LTD
6	TUBE	TFL	200℃	E156256	GREAT HOLDING INDUSTRIAL CO LTD
		CB-TT-L	200℃	E180908	CHANGYUAN ELECTRONICS GROUP CO LTD
4	EPOXY	3300HF/3300ZH-F	90℃	E218090	DONGGUAN EATTO ELECTRONIC MATERIAL CO LTD
		EP3189H/S	90℃	E475498	DONGGUAN CITY ERLANG INDUSTRIAL CO LTD
		G657	NA	NA	DONGGUAN CITY ERLANG INDUSTRIAL CO LTD
5	VARNISH	V1630FS	130℃	E75225	ELANTAS ELECTRICAL INSULATION ELANTAS PDG INC
		DA-700-*	130℃	E347463	HUIZHOU QIANG DA ELECTRONICS INDUSTRY CO LTD
		TVB-2180T	155℃	E83702	KYOCERA CHEMICAL CORP



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亞信發展有限公司

YAXIN DEVELOPMENT CO LIMITED

Customer P/N.

RESONANT CHOKE
13uH

Customer Rev.

A

Yaxin P/N.

YXS50494T