



晶森电子科技有限公司  
东莞市健阳达电子有限公司  
DONGGUAN CHIPSEN ELECTRONICS TECHNOLOGY CO., LTD  
SPECIFICATION FOR APPROVAL

CUSTOMER No.:	E4520	CHIPSEN P/N:	MTEE55-350-17866
NAME MODEL:	TRANSFORMER	CHIPSEN MODEL No.:	EE55x2H 35uH
CUSTOMER P/N:		ISSUE DATE:	2024/04/13
CUSTOMER REV:		CHIPSEN REV:	A0

确认并回签,如未回签此份承认书,已收到该零件的订单,则视为此零件已通过了贵司的认可。  
Please confirm and countersign. If we receive PO without acknowledgement,  
It is deemed to have been approved by your company.

CHIPSEN 	APPROVED BY 批准  Quan Minghui	CHECKED BY 审核  Zhou Yuanke	DRAWN BY 制作  Tan Hanyang
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CUSTOMER  客户	(CUSTOMER OPINION) 客户意见:
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地址:中国·广东省·东莞市常平镇桥沥村常黄路马屋村工业区 A 栋 1 号

Address: No. 1, Building A, Mawucun Industrial Zone, Changhuang Road, Qiaoli Village, Changping Town, Dongguan City, Guangdong, China

(TEL)电话:86-769-83979690 89308858

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(URL)网址: <http://www.chipsen.com.cn>

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011

ISO9001:2015



IATF-16949:2016



ISO 14001:2004



E332338



CQC13001103303



Welcome Visit 欢迎访问: <http://www.chipsen.com.cn>



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SPECIFICATION CHANGES RESUME 规格书变更履历

NO	DATE	CHANGE CONTENT DESCRIPTION	VERSION	RECORD
1.	2024/04/13	(首次) 发行	A0	Zhou Yuanke

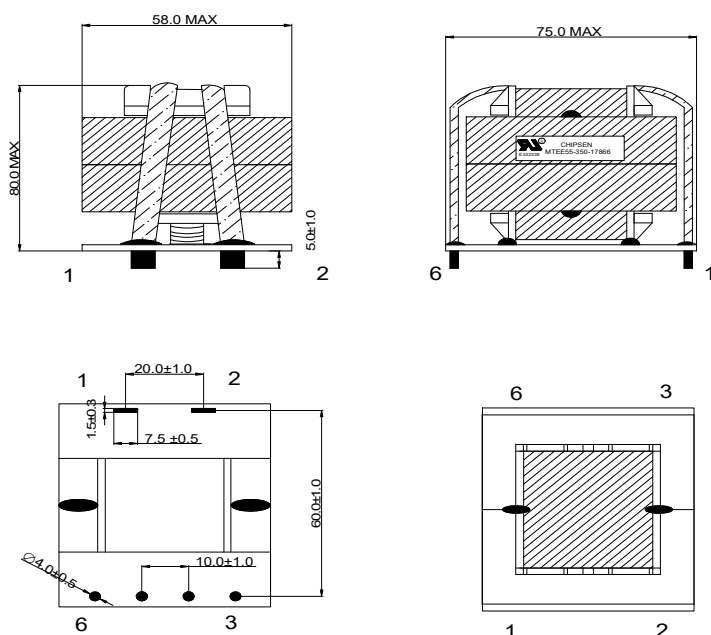
APPROVED BY 批准	CHECKED BY 审核	DRAWN BY 制作
Quan Minghui	Zhou Yuanke	Tan Hanyang



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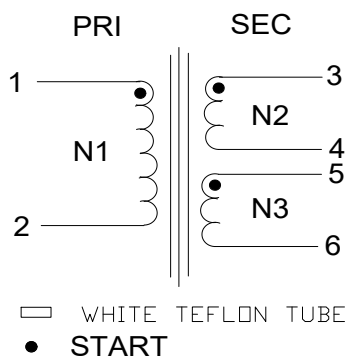
1: MECHANICAL DIMENSION 外型尺寸图 (UNIT: mm)



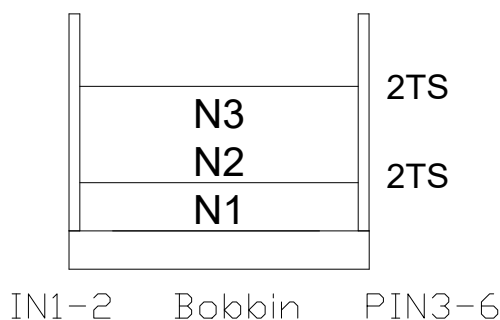
备注:

- 骨架为无 PIN 型。
- 磁芯需背胶,磁芯包 3TS 高温胶带固定。
- 产品底部上底板,底板与骨架/磁芯接合处/底板与出入线间点黑胶固定。
- 产品需真空含浸绝缘漆。
- 标签: 产品 PIN6-1 侧贴标签(样板为纸质标签)。
- 产品单重: 706.5g Ref

2. SCHEMATIC DIAGRAM 原理图:



3. WINDING CONSTRUCTION 绕组结构:



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4: COMPUTER PERFORMANCE TESTING 电器性能检测

NO 序号	TEST ITEM 测试项目	MEASURED POINT 测量点	TECHNICAL PARAMETERS 技术参数	TEST CONDITION 测试条件	TEST INSTRUMENT 测试仪器
1	TURNS RATIO  匝比	N1:N2	0.75 ： 1	AT@20KHZ/1V	CH 3299
		N1:N3	0.75 ： 1		
2	INDUCTANCE 电感量	L <sub>s</sub> (1-2)	35.0uH MIN	F=1KHZ/0.25V Z=30 Ω AT@25℃	CH1062
3	LEAKAGE 漏感	L <sub>k</sub> (1-2)	/ uH MAX SHORT OTHER	F=10KHZ/0.25V Z=30 Ω AT@25℃	CH1062
4	DCR  直流电阻	1-2	1.5 m Ω MAX	AT@25℃	CH502A
		3-4	6.0 m Ω MAX		
		5-6	6.0 m Ω MAX		
5	HI-POT  抗电强度	PRI-SEC	2000V AC	50HZ 5mA/3S	JKT2679D
		SEC-CORE	1000V AC		
		PRI-CORE	1000V AC		
6	INSULATION RESISTANCE 绝缘阻抗	PRI-SEC	≥100M Ω	500V/DC	JKT2679D
		PRI， SEC-CORE			
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5:MATERIAL LIST 材料表

No 序号	MATERIAL NAME 材料名称	MATERIAL DESCRIPTION 材料描述	Class	MANUFACTURER 制造商	UL No
1	INSULATION SYSTEM	Electrical Insulation Systems (Table XI)	130 (B)	DONGGUAN CHIPSEN ELECTRONICS TECHNOLOGY LTD	E332338
2	BOBBIN 骨架	T375HF	150℃	CHANG CHUN PLASTICS CO LTD OR EQU	E59481
		FR530 (1) (+) (f1)	155℃	E I DUPONT DE NEMOURS & CO INCOR EQU	E41938
3	CORE 磁芯	EE55 TP44		TDG OR EQU	NA
		EE55 M44		HAOBO OR EQU	NA
4	WIRE 铜线	UEW/U@	130℃	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD OR EQU	E201757
		xUEW	130℃	DONGGUAN XINLONG VARNISHED WIRE CO LTD OR EQU	E171082
5	MYLAR TAPE 胶带	PF* (d) (g)	180℃	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD OR EQU	E165111
6	VARNISH 绝缘漆	T-4260 (a)	130℃	SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD OR EQU	E228349
7	COPPER 铜箔	C1100		DONGGUAN JIANTAO METAL MATERIALS COMPANY LIMITED	NA

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SAMPLE TEST REPORT 样品检验报告

一: COMPUTER PERFORMANCE TESTING 电器性能检测

TEST ITEM 检测项目	UNIT 单位	TEST FOOT POSITION 测试脚位	SPECIFICATIONS 规格			TEST CONDITION 测试条件	MEASURED DATA OF SAMPLES 样品实测数据				
			MAX 上限	CENTER 中心	MIN 下限		①	②	③	④	⑤
电感量(LS)	uH	1-2			35	1KHz 0.25V	131	123			
漏感(LK)	uH	1-2		/		10KHz0.25V SHORT OTHER					
DCR 直流电阻	mΩ	1-2	1.5			HK502BC	0.89	0.90			
	mΩ	3-4	6.0				3.3	3.25			
	mΩ	5-6	6.0				3.30	3.24			
	mΩ										
TURNS RATIO 相位 匝比	TS	3-4		0.75 : 1		FOOT POSITION 测试脚位:	OK	OK			
	TS	5-6		0.75 : 1		1-2	OK	OK			
	TS					条件 F=20KHz					
	TS					U=1V CH3250					
HI-POT 抗电强度	PRI---SEC		5mA			AC 2000V/3S	OK	OK			
	SEC---CORE		5mA			AC 1000V/3S	OK	OK			
	PRI---CORE		5mA			AC 1000V/3S	OK	OK			

二: EXTERNAL DIMENSIONS 外形尺寸

TEST ITEM 检测项目	UNIT 单位	TEST FOOT POSITION 测试脚位	SPECIFICATIONS 规格			TEST CONDITION 测试条件	MEASURED DATA OF SAMPLES 样品实测数据				
			MAX 上限	CENTER 中心	MIN 下限		①	②	③	④	⑤
DIMENSION CHECK 尺寸 检查	mm	长度	75.0			卡尺±0.02mm	71.2	72.4			
	mm	宽度	58.0				56.5	56.5			
	mm	高度	80.0				77.5	78.0			
	mm	脚距	61.0	60.0	59.0		60.4	60.2			
	mm	排距 1	21.0	20.0	19.0		20.5	20.0			
	mm	排距 2	11.0	10.0	9.0		10.2	10.1			
	mm	脚长	6.0	5.0	4.0		5.1	5.2			

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-L332338-111-31809002-0  
**Report Reference** E332338-20090813  
**Date** 23-Sep-2021

**Issued to:** DONGGUAN CHIPSEN ELECTRONICS TECHNOLOGY LTD  
No. 1 Building A Mawucun Industrial Zone  
Changhuang Road Qiaoli Village  
Changping Town Dongguan, GUANGDONG  
China 523000

**This is to certify that  
representative samples of**

OBJY2 - Systems, Electrical Insulation - Component  
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

**Standard(s) for Safety:** ANSI/CAN/UL1446

**Additional Information:** See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-L332338-111-31809002-0  
**Report Reference** E332338-20090813  
**Date** 23-Sep-2021

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
CHIPSEN	Class 130(B) Electrical Insulation Systems



Bruce Mahrenholz, Director North American Certification Program

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-2136912-0

**Report Reference** E332338-20090813

**Date** 23-Sep-2021

**Issued to:** DONGGUAN CHIPSEN ELECTRONICS TECHNOLOGY LTD

No. 1 Building A Mawucun Industrial Zone  
Changhuang Road Qiaoli Village  
Changping Town Dongguan, GUANGDONG  
China 523000

**This is to certify that  
representative samples of**

OBJY8 - Systems, Electrical Insulation Certified for Canada  
- Component

See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

**Standard(s) for Safety:** ANSI/CAN/UL 1446:2020, 8th Ed., Issue Date: 2019-11-13, Revision Date: 2020-11-19

**Additional Information:** See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-2136912-0  
**Report Reference** E332338-20090813  
**Date** 23-Sep-2021

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
CHIPSEN	Class 130(B) Electrical Insulation Systems



Bruce Mahrenholz, Director North American Certification Program

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