

CERTIFICATE OF COMPLIANCE

Certificate Number 20160719-E193049
Report Reference E193049-20110926
Issue Date 2016-JULY-19

Issued to: CHENG TUNG INDUSTRIAL CO LTD
88 Rueiyuan
St Bade District
Taoyuan 334 Taiwan

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

COMPONENT - ACROSS-THE-LINE CAPACITORS,
ANTENNA-COUPLING COMPONENTS, LINE-BYPASS
COMPONENTS AND FIXED CAPACITORS FOR USE IN
ELECTRONIC EQUIPMENT

See Addendum page for Models

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:
Additional Information:

See Addendum page for Standards

See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Recognized components are incomplete in certain constructional features or restricted in performance
capabilities and are intended for use as components of complete equipment submitted for investigation rather
than for direct separate installation in the field. The final acceptance of the component is dependent upon its
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



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

Standards:

UL 60384-14# - Fixed Capacitors for Use in Electronic Equipment – Part 14: Sectional Specification: Fixed Capacitors for Electromagnetic Interference Suppression and Connection to the Supply Mains
CSA E60384-1:14 - Fixed Capacitors for Use in Electronic Equipment - Part 1: Generic Specification
CSA E60384-14:14 - Fixed Capacitors for Use in Electronic Equipment – Part 14: Sectional Specification: Fixed Capacitors for Electromagnetic Interference Suppression and Connection to the Supply Mains

Models

USR, CNR - Component – Class X1 Capacitors, Model CTX series with capacitance from 0.0047 μ F to 10 μ F with tolerance suffix code J(\pm 5%), K(\pm 10%), U(+10%/-5%) and M(\pm 20%). Class X2 Capacitors, Model CTX series with capacitance from 0.0047 μ F to 52 μ F with tolerance suffix code J(\pm 5%), K(\pm 10%) and M(\pm 20%). Refer to CONSTRUCTION DETAILS for Model designation and rated capacitance.


USR, CNR - Component – Class X1/X2 Capacitors, Model CTX350V series with capacitance ranges from 0.0047 μ F to 1.0 μ F with tolerance suffix code J(\pm 5%), K(\pm 10%), U(+10%/-5%) and M(\pm 20%). Refer to CONSTRUCTION DETAILS for Model designation and rated capacitance.

RATINGS:

| Series | Voltage Rating (ac) | Subclass | Lower Category Temperature (°C) | Upper Category Temperature (°C) | Capacitance Tolerance (%) | Climatic Category | Passive Flammability Category |
|---------|---------------------|----------|---------------------------------|---------------------------------|---------------------------|-------------------|-------------------------------|
| CTX | 300/310 V | X1/X2 | -40 | 105 or 110 | \pm 20% | 21 | B or C (+) |
| CTX350V | 350 V | | | | | | |

Note \pm : the model code may be followed by J(\pm 5%), K(\pm 10%), U(+10%/-5%) (for CTX350V only) or M(\pm 20%) for capacitance tolerance.

Note +: If the models CTX and CTX350V that volume are smaller than 1750 mm³ apply passive flammability category of C according test result.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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ENEC LICENCE

Licence No. ENEC-01396-A1-M2
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Date of Issue 2017-01-05

Licence Holder Cheng Tung Industrial Co Ltd
1F 57 Rueiyuan St
Bade District
Taoyuan, 334 Taiwan

Production site CHENG TUNG INDUSTRIAL CO LTD
88 Rueiyuan St
Bade District
Taoyuan, 334 Taiwan

Certification Mark See Annex 1
Certified Product Fixed Capacitors For Electromagnetic Interference Suppression
And Connection To The Supply Mains, Wound Film Type

Model CTX series
Trademark



Rated Voltage / Frequency See Page 2
Rated Current / Power See Page 2
Insulation Class -
Degree of protection (IP) -
Tested acc. to EN 60384-14:2013
Test Report No. CAP-4787331080-A-1 correction 3 issued on 2016-12-21
Additional This Certificate replaces earlier issued ENEC Licence No.
ENEC-01396-A1-M1 to correct typographical errors in the ratings.

Certification Manager
Jan-Erik Storgaard

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this License, in accordance with the ENEC Requirements. The Designated License holder is entitled to use the ENEC 15 Mark (as shown in annex 1) for the Certified Product manufactured at the production site(s) identified above in accordance with the ENEC Mark Service Agreement including without limitation the ENEC Mark Testing and Certification Services Service Terms. Only those Products bearing the ENEC Mark should be considered as being covered by UL's ENEC Mark Service. This License shall remain valid unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).

Certification Body

UL International Demko A/S, Borupvang 5A, DK-2750
Ballerup, Denmark, Tel. +45 44 85 65 65, info.dk@ul.com
www.ul-europe.com



ENEC LICENCE

Licence No. ENEC-01396-A1-M2
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Date of Issue 2017-01-05

Ratings:

310 Vac; 50/60Hz; subclass X1/X2 0.0047 to 10 μ F; subclass X2, 0.0047 to 52 μ F, 40/105 or 110/21/B, Cap tolerance J (\pm 5%) or K (\pm 10%) or M (\pm 20%).

X1/X2, 350 Vac; 50/60Hz; 0.0047 μ F to 1.0 μ F, 40/110/21/B or C, Capacitance tolerance J(\pm 10%) or K(\pm 10%) or M(\pm 20%).

X1/X2, 330/350/380 Vac; 50/60Hz; 0.0047 μ F to 1.0 μ F, 40/110/21/B or C, tolerance J(\pm 5%), U(+10%/-5%), K(\pm 10%) and M(\pm 20%) and X2, 330/350/380 Vac; 50/60Hz; 0.0047 μ F to 10 μ F, 40/110/21/B or C.

X1/X2, 440/480/500 Vac; 50/60Hz; 0.0047 μ F to 4.0 μ F, 40/110/21/B or C, Capacitance tolerance J(\pm 5%), U(+10%/-5%), K(\pm 10%) and M(\pm 20%).

Certification Body

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Annex 1 to Licence No.

ENEC-01396-A1-M2

Annex of the form of the Mark



* Identification number of the Certification Body

Size of the mark:

The size of the mark may be reduced on the condition that it remains legible and that the ratio $b/a=1,7$ is kept

Certification Body

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产品认证证书

证书编号: CQC03001008997

申请人名称及地址

晟通实业有限公司
台湾桃园市八德区瑞泰里瑞源街57号1楼

制造商名称及地址

晟通实业有限公司
台湾桃园市八德区瑞泰里瑞源街57号1楼

生产企业名称及地址

晟通实业有限公司 (V003302)
台湾桃园市八德区瑞源街57号(1楼)

产品名称和系列、规格、型号

滤波电容

见附件

产品标准和技术要求

GB/T6346.14-2015

认证模式

产品型式试验+初次工厂检查+获证后监督

上述产品符合CQC11-471115-2016认证规则的要求, 特发此证。

发证日期: 2017年01月16日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书为变更证书, 证书首次颁发日期: 2004年02月05日

经中国合格评定国家认可委员会认可 CNAS C001-P

主任: _____



中国质量认证中心

中国·北京·南四环西路188号9区100070

<http://www.cqc.com.cn>

C 0091976



产品认证证书

附录:

第 1 页 共 1 页

证书编号: CQC03001008997

纸号: 91976

CTX 系列

额定电压 310Vac; 额定频率 50/60Hz; X1/X2 小类容量范围 0.0047~10 μ F; 气候类别 40/110/21/C 或 40/110/21/B; 容量偏差 J(\pm 5%), K(\pm 10%), M(\pm 20%)。

额定电压 350Vac ; 额定频率 50/60Hz; X1/X2 小类容量范围 0.0047~1.0 μ F; 气候类别 40/110/21/C 或 40/110/21/B; 容量偏差 J(\pm 5%), K(\pm 10%), M(\pm 20%)。

额定电压 330/350/380Vac; 额定频率 50/60Hz; X1/X2 小类容量范围 0.0047~1.0 μ F; 气候类别 40/110/21/C 或 40/110/21/B; 容量偏差 J(\pm 5%), U(+10%/-5%), K(\pm 10%), M(\pm 20%)。

额定电压 440/480/500Vac; 额定频率 50/60Hz; X1/X2 小类容量范围 0.0047~4.0 μ F; 气候类别 40/110/21/C 或 40/110/21/B; 容量偏差 J(\pm 5%), U(+10%/-5%), K(\pm 10%), M(\pm 20%)

注: 此附录与证书同时使用时有效。

主任: _____



中国质量认证中心

中国·北京·南四环西路 188 号 9 区 100070

<http://www.cqc.com.cn>



접수번호 : 20161025-0057

전기용품안전인증서 Electrical Appliances Safety Certificate

안전인증번호: HU03009-5003B
(Certificate No.)
 제조업자명: Cheng Tung Industrial Co.,Ltd.
(Manufacturer)
 대표자명: Su Wen Tung
(President)
 제조공장의 주소: No.88, Ruiyuan Street, Bade Dist., Taoyuan City 33447, Taiwan
(Factory Address)
 제품명: 캐패시터
(Product)
 기본모델명: CTX 0.1 μ F 300V
(Basic Model)
 정격: 0.1 μ F, X1, 300V~, 40/100/21
(Rating)
 파생모델명 (Series Model):

적용기준: K60384-14
(Standard)

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다.
We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.

2016 년 11 월 3 일
(Year) (Month) (Day)



한국기계전기전자시험연구원 Korea Testing Certification



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

- 첨부서류
1. 안전관리부품 및 재질목록 (List of Critical Components)
 2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
 3. 전기용품 안전인증의 변경 현황 (Revisions Status)

