

パナソニック株式会社
インダストリアルソリューションズ社
デバイスソリューション事業部
Device Solutions Business Division
Industrial Solutions Company
Panasonic Corporation

海外規格認定書送付

APPROVAL SHEET FOR SAFETY STANDARD

電源雑音防止用コンデンサ

Type:ECQ-UV

Ratio Interference Suppression Capacitor

規格名 Standard	国 Country	認定規格 Approval	クラス Class	静電容量範囲 Cap. Range (uF)	認定番号 Approval No.	資料 Page
ENEC	欧州 Europe	EN60384-14	X2 Y2	0.001 - 1.0 0.001 - 0.0068	SE/09128-1B	2~3
SEMKO	インターナショナル International	IEC60384-14			SE-56851	4
UL	アメリカ U.S.A.	UL60384-14			E 62674	5~6
CSA	カナダ Canada	CAN/CSA E60384-14			LR 35752	7~8

[認定工場]

Approval factory

中国 China	パナソニック エレクトロニックデバイス江門有限公司 Panasonic Electronic Devices (Jiangmen) Co., Ltd.
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Panasonic

Device Solutions Business Division
Industrial Solutions Company, Panasonic Corporation

Licence for



CENELEC ENEC Agreement Licence Ref. No. SE/09128-1B

Product:	Capacitor for radio interference suppression
Type designation:	ECQ-UV
Test Report No.	1514626STO-001, -002
Licence holder:	Panasonic Corporation Automotive & Industrial Systems Company Capacitor Business Division 369 Nogifukutomi-cho, Matsue-shi Shimane-ken 690-8527 JAPAN
The product complies with the standard(s):	EN 60384-14:2013
Licence holder is authorized to use the mark with the following limitations:	-
Date of expiry:	18 December 2020

Additional information in Appendix

<i>Certification Body</i>	Intertek Semko AB, Product Certification	<i>Place</i>	Kista - Stockholm
<i>Signed</i>	 Bo Berglöf	<i>Date</i>	18 December 2015
<i>Internal reference:</i>	SUL		

This Licence is the result of testing a sample of the product submitted, in accordance with the provisions of the relevant specific standard. A copy of the Licence shall be filed in the place of manufacturing. The Licence has been established by a body which is a signatory to the ENEC Agreement ratified by CENELEC Marks Committee on 10 April 1992.


25/11


APPENDIX

CENELEC ENEC Agreement Licence Ref. No. SE/09128-1B

Test Report No. 1514626STO-001, -002

Technical data

Type designation	ECQ-UV
Rated voltage	250VAC
Capacitance	0.001 – 1.0uF Series E12
Tolerance	±10%, ±20%
Class and sub-class	X2
Climatic category	40/085/21/B
Trade mark	

Type designation	ECQ-UV
Rated voltage	250VAC
Capacitance	0.001 – 0.0068uF Series E12
Tolerance	±10%, ±20%
Class and sub-class	Y2
Climatic category	40/085/21/B
Trade mark	

Manufacturing site(s): Panasonic Electronic Devices (JiangMen) Co., Ltd.
18, Huicheng Road,
Xiuhui, Jiangmen City,
Guangdong 529100
CHINA

This certificate replaces previously issued ref. No. SE/09128-1A dated 22 July 2013.
A new certificate has been issued on account of updated standard.

18 December 2015

IEC**IECEE
CB
SCHEME**

Ref. Certif. No.

SE-56851IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEMESYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC**CB TEST CERTIFICATE****CERTIFICAT D'ESSAI OC**Product
Produit

Capacitor for radio interference suppression

Name and address of the applicant
Nom et adresse du demandeurPanasonic Electronic Devices Japan Co., Ltd.,
Film Capacitor Division, 369 Nogifukutomi-cho, Matsue-shi,
Shimane-ken 690-8527 JAPANName and address of the manufacturer
Nom et adresse du fabricant

Same as applicant

Name and address of the factory
Nom et adresse de l'usinePanasonic Electronic Devices (JiangMen) Co., Ltd.
18 Huicheng Road, Xiuhui, Jiangmen City,
Guangdong 529100 CHINARatings and principal characteristics
Valeurs nominales et caractéristiques principales0.001-1.0uF Series E12 Class X2 250VAC 40/085/21/C
0.001-0.0068uF Series E12 Class Y2 250VAC 40/085/21/CTrademark (if any)
Marque de fabrique (si elle existe)Model / Type Ref.
Ref. De type

ECQ-UV

Additional information (if necessary)
Les informations complémentaires (si nécessaire)A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

IEC 60384-14:2005

As shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

815965-01, -02

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de CertificationIntertek Semko AB
Box 1103
SE-164 22 Kista, Sweden
int +46 8 750 00 00**Intertek ETL SEMKO**

Signature

Paul Klements

Date: 20 January 2009

Mandated reviewer: MTN

SUL

CERTIFICATE OF COMPLIANCE

Certificate Number 20121210-E62674B
Report Reference E62674-20121209
Issue Date 2012-December-10

Issued to: PANASONIC CORPORATION, PANASONIC
CORPORATION OF NORTH AMERICA,
1 PANASONIC WAY, SECAUCUS NJ 07094

**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

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



Standard(s) for Safety:

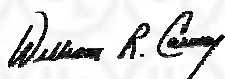
UL 60384-14, Fixed Capacitors for Use in Electronic Equipment - Part
14: Sectional Specification: Fixed Capacitors for Electromagnetic
Interference Suppression and Connection to the Supply Mains,
CSA-E60384-1, Fixed Capacitors for Use in Electronic Equipment - Part
1: Generic Specification, CSA-E60384-14,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

Additional Information:

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

Only those products bearing the UL Recognized Component Marks for the U.S. and Canada should be considered as being covered by UL's Recognition and Follow-Up Service and meeting the appropriate U.S. and Canadian requirements.

The UL Recognized Component Mark for the U.S. generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions. The UL Recognized Component Mark for Canada consists of the UL Recognized Mark for Canada:  and the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory.



William R. Carney, Director, North American Certification Programs

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 www.ul.com/contactus



CERTIFICATE OF COMPLIANCE

Certificate Number 20121210-E62674B
Report Reference E62674-20121209
Issue Date 2012-December-10

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.

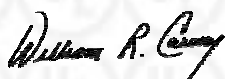
Look for the UL Recognized Component Mark on the product.

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

Models:

USR, CNR - Component – Class X2 Wound Film Type Capacitors, Model ECQ-UV series in capacitance ranges from 0.001 μ F to 1 μ F with tolerance K for +/-10% or M for +/-20%. See CONSTRUCTION DETAILS for Model designation and rated capacitance.

USR, CNR - Component – Class Y2 Wound Film Type Capacitors, Model ECQ-UV series in capacitance ranges from 0.001 μ F to 0.0068 μ F with tolerance K for +/-10% or M for +/-20%. See CONSTRUCTION DETAILS for Model designation and rated capacitance.



William R. Carney, Director, North American Certification Programs

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 www.ul.com/contactus



Certificate of Compliance

Certificate: 1037161 (LR 35752-31)

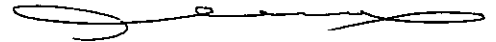
Master Contract: 169704

Project: 2464590

Date Issued: November 2, 2011

Issued to: Panasonic Electronic Devices Japan Co., Ltd.
Film Capacitor Division
369 Nogifukutomi-cho
Matsue-shi, Shimane-ken 690-8527
JAPAN
Attention: Mr. Michiharu Kamiya

The products listed below are eligible to bear the CSA Mark shown



Issued by: Charles Chow

PRODUCTS

CLASS 2221 51 – AUDIO AND VIDEO EQUIPMENT - Accessories and Parts for Electronic Products

Film Capacitors, ECQ-UV, rated, 250V~, 40/085/21/C, $\pm 10\%$ or $\pm 20\%$,
X2, 0.001uF to 1.0uF
Y2, 0.001uF to 0.0068uF

These devices are Certified as components for use in other Certified equipment where the suitability of the combination shall be determined by investigation in the final application.

APPLICABLE REQUIREMENTS

CAN/CSA-E60384-14:09

- Fixed Capacitors for Use in Electronic Equipment - Part 14: Sectional Specification: Fixed Capacitors for Electromagnetic Interference Suppression and Connection to the Supply Mains



Supplement to Certificate of Compliance

Certificate: 1037161 (LR 35752-31)

Master Contract: 169704

*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
2464590	November 2, 2011	To cover alternate manufacturer of Electrodes (Metalization).
2361540	October 29, 2010	Addition of alternative dielectric manufacturer, Toray Industries Inc., with confirmation of the material and thickness being the same as that previously used.
2256191	April 27, 2010	New Evaluation to CSA E60384-14:09
History		
2011731 (Ed.9)	February 28, 2008	To cover alternate filling resin material.
1286999 (Ed.8)	June 13, 2002	Alternate filling resin material, Polyurethane, Type UF-807.
LR 35752-60 (Ed.7)	October 23, 1998	Alternative case material (Lexan FGL3201, mfd. By GE PLASTICS JAPAN LTD.) and lead wire.
LR 35752-52 (Ed.6)	April 30, 1998	An alternative polyester film manufacturer (SKC Ltd.) and lead wire manufacturer. (IL-Kwang Electronic Materials Co., Ltd.)
LR 35752-50 (Ed.5)	May 9, 1997	Change the minimum thickness of case from 0.3mm to 0.4mm
LR 35752-42 (Ed.4)	April 3, 1997	Alternative materials of case.
LR 35752-39 (Ed.3)	January 12, 1996	An alternative material of case and resin.
LR 35752-34 (Ed.2)	May 6, 1994	An alternative polyester film manufacturer and change process of resin potting.
LR 35752-31 (Ed.1)	November 11, 1993	Original Certification.