

To:

御中

パナソニック株式会社
オートモーティブ&インダストリアルシステムズ社
デバイスソリューション事業部
Device Solutions Business Division
Automotive & Industrial Systems Company
Panasonic Corporation

海外規格認定書

APPROVAL SHEET FOR SAFETY STANDARD

電源雑音防止用コンデンサ

Type: ECQUG AC300V

Ratio Interference Suppression Capacitor

認証 Certification	国 Country	認定規格 Approval	クラス Class	静電容量範囲 Cap. Range (μ F)	認定番号 Approval No.	資料 (page)
ENEC (VDE)	欧州 Europe	EN60384-14 IEC60384-14	X1	0.01 - 1.0	129845	2~4
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

[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.
-------------	--

Panasonic

Device Solutions Business Division
Automotive & Industrial Systems Company, Panasonic Corporation

ZEICHENGENEHMIGUNG MARKS APPROVAL

Panasonic Corporation
1006 Kadoma
KADOMA-SHI OSAKA 571-8501
JAPAN

ist berechtigt, für ihr Produkt /
is authorized to use for their product

**Festkondensator zur Unterdrückung elektromagnetischer
Störungen, geeignet für Netzbetrieb**
***Fixed capacitor for electromagnetic interference
suppression and connection to the supply mains***

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.



Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 60384-14 (VDE 0565-1-1):2014-04; EN 60384-14:2013-08
IEC 60384-14(ed.4)



Aktenzeichen: 481106-4670-0144 / 224967

File ref.:

Ausweis-Nr. 129845

Blatt 1

Certificate No.

Page

Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages

Offenbach, 2000-07-05

(letzte Änderung/updated 2016-06-20)

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / Certification

M. Tasotti

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:
VDE certificates are valid only when published on:

<http://www.vde.com/zertifikat>
<http://www.vde.com/certificate>

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
Panasonic Corporation, 1006 Kadoma, KADOMA-SHI OSAKA 571-8501, JAPAN

Aktenzeichen / *File ref.*

481106-4670-0144 / 224967 / CC2 / KIL

letzte Änderung / *updated*

2016-06-20

Datum / *Date*

2000-07-05

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 129845.

This supplement is only valid in conjunction with page 1 of the Certificate No. 129845.

Festkondensator zur Unterdrückung elektromagnetischer Störungen, geeignet für Netzbetrieb

Fixed capacitor for electromagnetic interference suppression and connection to the supply mains

Typ(en) / *Type(s)*

ECQUG

Bemessungskapazität
Rated capacitance

0,01 μ F; 0,012 μ F; 0,015 μ F; 0,018 μ F; 0,022 μ F; 0,027 μ F;
0,033 μ F; 0,039 μ F; 0,047 μ F; 0,056 μ F; 0,068 μ F; 0,082 μ F; 0,1 μ F;
0,12 μ F; 0,15 μ F; 0,18 μ F; 0,22 μ F; 0,27 μ F; 0,33 μ F; 0,39 μ F;
0,47 μ F; 0,56 μ F; 0,68 μ F; 0,82 μ F; 1 μ F

Bemessungsspannung
Rated voltage

AC 300 V

Kondensatorklasse und -unterklasse
Capacitor class and subclass

X1

Grenzabweichung der
Bemessungskapazität
Tolerance of rated capacitance

$\pm 10\%$ (K) oder/or $\pm 20\%$ (M)

Klimakategorie
Climatic category

40/100/21

Kategorie der passiven Entflammbarkeit
Passive flammability category

B

Warenzeicheninhaber
Trademark holder

Panasonic Corporation

Weitere Einzelheit(en)
Further detail(s)

Anlage Nr. 1 vom 2016-06-20
Appendix No. 1 dated 2016-06-20

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Fachgebiet CC2
Section CC2

VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Ausweis-Nr. / Beiblatt /
Certificate No. Supplement
129845

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
Panasonic Corporation, 1006 Kadoma, KADOMA-SHI OSAKA 571-8501, JAPAN

Aktenzeichen / *File ref.*
481106-4670-0144 / 224967 / CC2 / KIL

letzte Änderung / *updated* Datum / *Date*
2016-06-20 2000-07-05

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 129845.
This supplement is part of the Certificate No. 129845.

Festkondensator zur Unterdrückung elektromagnetischer Störungen, geeignet für Netzbetrieb

***Fixed capacitor for electromagnetic interference
suppression and connection to the supply mains***

Fertigungsstätte(n)
Place(s) of manufacture

Referenz/ <i>Reference</i>	Panasonic Electronic Devices
30019128	(Jiangmen) Co., Ltd.
	No.18 Huicheng Road
	Xinhui
	529100 JIANGMEN CITY
	Guangdong
	CHINA

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Fachgebiet CC2
Section CC2



CERTIFICATE OF COMPLIANCE

Certificate Number 20121210-E62674D
Report Reference E62674-20121211
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-COUPPLING 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-E62674D
Report Reference E62674-20121211
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 X1 Wound Film Type Capacitors, Model ECQUG series in capacitance ranges from 0.01 to 1 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 35752-40)

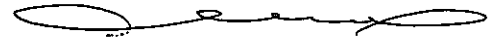
Master Contract: 169704

Project: 2464589

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, ECQUG, X1, rated, 300V~, 0.01uF to 1.0uF, ±10% or ±20%, 40/100/21/C.

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