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

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 (uF)	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.

VDE Prüf- und Zertifizierungsinstitut

ZEICHENGENEHMIGUNG
MARKS APPROVAL

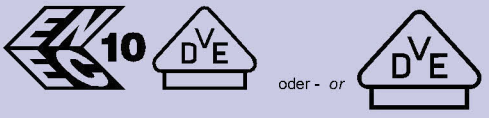
Panasonic Corporation
1006 Kadoma
KADOMA-SHI OSAKA 571-8501
JAPAN

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.:

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

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)

M. Tasotti

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VDE

VDE Prüf- und Zertifizierungsinstitut
Zeichengenehmigung

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.*	letzte Änderung / *updated*	Datum / *Date*
481106-4670-0144 / 224967 / CC2 / KIL	2016-06-20	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*	0,01µF; 0,012µF; 0,015µF; 0,018µF; 0,022µF; 0,027µF; 0,033µF; 0,039µF; 0,047µF; 0,056µF; 0,068µF; 0,082µF; 0,1µF; 0,12µF; 0,15µF; 0,18µF; 0,22µF; 0,27µF; 0,33µF; 0,39µF; 0,47µF; 0,56µF; 0,68µF; 0,82µF; 1µF
Bemessungsspannung *Rated voltage*	AC 300 V
Kondensatorklasse und -unterklasse *Capacitor class and subclass*	X1
Grenzabweichung der Bemessungskapazität *Tolerance of rated capacitance*	± 10% (K) oder/or ± 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

Merianstrasse 28, D-63069 Offenbach
Phone +49 (0) 69 83 06-0
Telefax +49 (0) 69 83 06-555

VDE Prüf- und Zertifizierungsinstitut
Zeichengenehmigung

Ausweis-Nr. / *Certificate No.* 129845

Beiblatt / *Supplement*

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 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/*Reference*	
30019128	Panasonic Electronic Devices (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-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

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 µF with tolerance K for +/-10% or M for +/-20%. See CONSTRUCTION DETAILS for Model designation and rated capacitance..

William R. Carney

William R. Carney, Director, North American Certification Programs

UL LLC

CSA INTERNATIONAL

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