

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 TOR SAFETY STANDARD

電源雑音防止用コンデンサ

Type:ECQUB

Radio Interference Suppression Capacitor

認証機関 Certification organization	国 Country	認定規格 Approval	クラス Class	静電容量範囲 Cap. Range ( $\mu$ F)	認定番号 Approval No.	資料 (page)
DEMKO	欧州 Europe	EN 60384-14	Y2	0.001 - 0.0068	ENEC-03005	2~3
			X1	0.001 - 1.0		
UL	アメリカ U.S.A	UL 60384-14	Y2	0.001 - 0.0068	E62674	4~5
			X1	0.001 - 1.0		
	カナダ Canada	CAN/CSA E60384-14	Y2	0.001 - 0.0068		
			X1	0.001 - 1.0		

[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

# ENEC LICENSE

License No. ENEC-03005  
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Date of Issue 2020-05-08



**License Holder** Panasonic Corporation of North America  
Product Safety & Compliance Dept  
Two Riverfront Plaza  
9th Fl  
Newark, NJ 07102-5490 USA

**Production site** PANASONIC ELECTRONIC DEVICES(JIANGMEN) CO LTD  
18 HUICHENG RD  
XINHUI  
JIANGMEN CITY, 529100 GUANGDONG China

**Certification Mark** See Annex 1

**Certified Product** Fixed Capacitors For Electromagnetic Interference Suppression  
And Connection To The Supply Mains, Wound Film Type

**Model** ECQUB series

**Trademark**  or 

**Rated Voltage / Frequency** 300Vac, 50/60Hz; X1/Y2: 0.001~0.0068  $\mu$ F, X1: 0.001~1  $\mu$ F,  
Capacitance tolerance K( $\pm$ 10%), M( $\pm$ 20%), 40/110/56/B

**Rated Current / Power** -

**Insulation Class** -

**Degree of protection (IP)** -

**Tested acc. to** EN 60384-14:2013/A1:2016, EN 60384-14:2013

**Test Report No.** E62674-4789206289-1 Original issued on 2020-05-06

**Additional**

**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.com



# Annex 1 to License No.

## ENEC-03005

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**

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).



# CERTIFICATE OF COMPLIANCE

**Certificate Number** R-E62674  
**Report Reference** E62674-20200507  
**Issue Date** 2020-MAY-09

**Issued to:** PANASONIC CORPORATION, PANASONIC CORPORATION OF NORTH AMERICA  
Product Safety & Compliance Dept  
Two Riverfront Plaza  
9th Fl  
Newark NJ 07102-5490

**This certificate confirms that representative samples of**

**COMPONENT - FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT**

Component - Class X1/Y2 and X1 Wound Film Type Capacitors, Models ECQUB series with capacitance X1/Y2 from 0.001  $\mu$ F to 0.0068  $\mu$ F; X1 from 0.001  $\mu$ F to 1  $\mu$ F, with tolerance suffix code K, M. Refer to CONSTRUCTION DETAILS for Model designation and rated capacitance.

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:**  
**Additional Information:**

Refer to the Addendum page for standards  
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** R-E62674  
**Report Reference** E62674-20200507  
**Issue Date** 2020-MAY-09

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 - Safety Requirements For 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



Bruce Mahrenholz, Director North American Certification Program  
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