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

Type: ECQUB

海外規格認定書

APPROVAL SHEET TOR SAFETY STANDARD

電源雑音防止用コンデンサ

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 (uF)	認定番号 Approval No.	資料 (page)
DEMKO	欧州	EN 60384-14	Y2	0.001 — 0.0068	ENEC-03005	2~3
	Europe		X1	0.001 — 1.0		
UL	アメリカ	UL 60384-14	Y2	0.001 — 0.0068	E62674	4~ 5
	U.S.A		X1	0.001 — 1.0		
	カナダ	CAN/CSA E60384-14	Y2	0.001 — 0.0068		
	Canada		X1	0.001 — 1.0		

[認定工場]

Approval factory

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

Panasonic

Device Solutions Business Division
Industrial Solutions Company, Panasonic Corporation

ENEC LICENSE

ENEC-03005 License No.

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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 FI

Newark, NJ 07102-5490 USA

PANASONIC ELECTRONIC DEVICES(JIANGMEN) CO LTD **Production site**

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

Trademark





Rated Voltage / Frequency

300Vac, 50/60Hz; X1/Y2: 0.001~0.0068 μF, X1: 0.001~1 μF, Capacitance tolerance K(±10%), M(±20%), 40/110/56/B

Rated Current / Power **Insulation Class**

Degree of protection (IP)

Tested acc. to

Test Report No.

Additional

EN 60384-14:2013/A1:2016, EN 60384-14:2013

E62674-4789206289-1 Original issued on 2020-05-06

Certification Manager Jan-Erik Storgaard

This is to certify that representative sample(s) of the Product described herein ("Certified Product") 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 Standard bearing the 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). 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).

a



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 FI

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 μF to 0.0068 $\mu F;$ X1 from 0.001 μF 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://ig.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

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/



CERTIFICATE OF COMPLIANCE

Certificate Number Report Reference R-E62674

Report Reference Issue Date E62674-20200507 2020-MAY-09

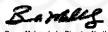
This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

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

UL LLC



