

Safety Standard Certified Ceramic Capacitors
(安全規格認定セラミックコンデンサ)

Type EA

X1 : 440 Vac(r.m.s.) Y1 : 300 Vac(r.m.s.) X1Y1 : 1500Vdc(UL)

Certification Body (認証機関)	Standard No. (規格番号)	Certificate No.* (認定番号)	Expiration date (有効期限)	Attached Page No. (添付ページ番号)
ENEC (SEMKO)	EN60384-14	SE-ENEC-2401372	2030-01-09	g - 1
UL/cUL	UL60384-14/CSA E60384-14	E37921	No expiration date (有効期限無し)	g - 2
CQC	IEC60384-14	CQC16001142384	No expiration date (有効期限無し)	g - 3

* Above Certified No. may be changed on account of the revision of standards and the renewal of certification.

(* 認定番号は規格番号の改訂, 取得範囲の変更により変わることがあります。)

Murata Mfg. Co.,Ltd.

株式会社 村田製作所

LICENCE FOR



ENEC LICENCE REF NO. SE-ENEC-2401372

Capacitor for radio interference suppression

Type Designation: EA

Licence Holder: Murata Mfg. Co. Ltd.
10-1 Higashikotari 1-chome
Nagaokakyo-shi
Kyoto-fu 617-8555
Japan


The product complies with the standard(s): EN IEC 60384-14:2023

Licence holder is authorized to use the mark with the following limitations:

Date of expiry: 9 January, 2030

Additional information in Appendix

Certification Body: Intertek Semko AB, Product Certification **Place:** Kista - Stockholm

Signed: 
Anneli Averland Johansson **Date:** 9 January, 2025

APPENDIX:

ENEC LICENCE REF NO.SE-ENEC-2401372

Test Report No. 2404541STO-001, 2404541STO-002, 2404541STO-003, 2404541STO-004

Technical Data:

<i>Type designation</i>	EA
<i>Rated voltage (V)</i>	250/300V Y1, 440V X1
<i>Input</i>	10-2200pF +-10%, +-20%
<i>Class</i>	Y1/X1
<i>Trademark</i>	®
<i>Product information</i>	40/125/21/C. SMD. Ceramic material SL, B, E and F.

Nominal capacitance (pF)	Ceramic material group	Capacitance tolerance (%)
10	SL	±10%
22		
47		
100	B	±10%
220		
330		
470		
680		
1000	E	±20%
1500	F	
2200		

This certificate replaces previously issued ref. No. SE-ENEC-2300151 dated 10 February 2023. A new certificate has been issued due to updated standard.

Manufacturing Sites: Murata Electronics (Thailand) Ltd.
Northern Region Industrial Estate
63 Moo 4 Tambol Ban-Klang
Amphur Muang Lamphun 51000, Thailand

Certification Body: Intertek Semko AB, Product Certification

Place: Kista - Stockholm

Signed:



Date: 9 January, 2025

Anneli Averland Johansson



Fixed Capacitors for Use in Electronic Equipment - Component

COMPANY

MURATA MFG CO LTD

COMPONENT BUSINESS UNIT

1-10-1 HIGASIKOTARI

NAGAOKAKYO-SHI, Kyoto 617-8555 Japan

E37921

Marking: Company name or trademark , and model designation.

Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Class X1 and Class Y2 Capacitors, Model(s): KJ may be followed by M for +/-20%, K for +/-10%.

Class X1/Y1 Capacitors, Model(s): EA may be followed by K ($\pm 10\%$) (for 10~47pF), K ($\pm 10\%$) or M ($\pm 20\%$) (for 100~680pF), M ($\pm 20\%$) (for 1000~2200pF).

Class X1/Y1 Capacitors, Model(s): KL may be followed by J ($\pm 5\%$), K ($\pm 10\%$) or M ($\pm 20\%$) for capacitance tolerance.

Class X1/Y1 Capacitors, Model(s): RA may be followed by J ($\pm 5\%$), K ($\pm 10\%$) or M ($\pm 20\%$) for capacitance tolerance.

Class X1/Y1 Capacitors, Model(s): RB may be followed by K ($\pm 10\%$) or M ($\pm 20\%$) for capacitance tolerance.

Class X1/Y1 Capacitors, Ceramic Disk Type, Model(s): KX may be followed by J for +/-5%. K for +/-10%. M for +/-20%.

Class X1/Y2 Capacitors, Model(s): IF may be followed by K ($\pm 10\%$).

Class X1/Y2 Capacitors, Model(s): SA may be followed by J ($\pm 5\%$), K ($\pm 10\%$) or M ($\pm 20\%$) for capacitance tolerance.

Class X1/Y2 Capacitors, Ceramic Disk Type, Model(s): KH may be followed by K for +/-10%. M for +/-20%.

Class X1/Y2 Capacitors, Ceramic Disk Type, Model(s): KY may be followed by J for +/-5%. K for +/-10%. M for +/-20%.

Class X1/Y2 Capacitors, Surface Mount Capacitors, Model(s): GF series for type GA342 may be followed by J ($\pm 5\%$) (for 10~82pF), K ($\pm 10\%$) (for 100~4700pF).

Class X1/Y2 Capacitors, Surface Mount Capacitors, Model(s): GF series for type GA352, GA355 may be followed by J ($\pm 5\%$) (for 10~82pF), K ($\pm 10\%$) (for 100~4700pF).

Class X1/Y2 Capacitors, Surface Mount Capacitors, Model(s): ME may be followed by K ($\pm 10\%$) (for 100~4700pF), M($\pm 20\%$) (for 5600~10000pF).

Class X2 Capacitors, Model(s): GB+GA35****GB****W*** (* may be space, 0 to 9, A to Z) with Capacitances of 10000, 15000, 22000, 33000, 47000, or 56000 pF with tolerance K.

Last Updated on 2024-04-27

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."

Fixed Capacitors for Use in Electronic Equipment Certified for Canada - Component

COMPANY

MURATA MFG CO LTD

COMPONENT BUSINESS UNIT

1-10-1 HIGASIKOTARI

NAGAOKAKYO-SHI, Kyoto 617-8555 Japan

E37921

Marking: Company name or trademark , model designation, and the Recognized Component Mark for Canada 

Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Class X1 and Class Y2 Capacitors, Model(s): KJ may be followed by M for +/-20%, K for +/-10%.

Class X1/Y1 Capacitors, Model(s): EA may be followed by K ($\pm 10\%$) (for 10~47pF), K ($\pm 10\%$) or M ($\pm 20\%$) (for 100~680pF), M ($\pm 20\%$) (for 1000~2200pF).

Class X1/Y1 Capacitors, Model(s): RA may be followed by J ($\pm 5\%$), K ($\pm 10\%$) or M ($\pm 20\%$) for capacitance tolerance.

Class X1/Y1 Capacitors, Model(s): RB may be followed by K ($\pm 10\%$) or M ($\pm 20\%$) for capacitance tolerance.

Class X1/Y2 Capacitors, Model(s): IF may be followed by K ($\pm 10\%$).

Class X1/Y2 Capacitors, Model(s): SA may be followed by J ($\pm 5\%$), K ($\pm 10\%$) or M ($\pm 20\%$) for capacitance tolerance.

Class X1/Y2 Capacitors, Surface Mount Capacitors, Model(s): GF series for type GA342 may be followed by J ($\pm 5\%$) (for 10~82pF), K ($\pm 10\%$) (for 100~4700pF).

Class X1/Y2 Capacitors, Surface Mount Capacitors, Model(s): GF series for type GA352, GA355 may be followed by J ($\pm 5\%$) (for 10~82pF), K ($\pm 10\%$) (for 100~4700pF).

Class X1/Y2 Capacitors, Surface Mount Capacitors, Model(s): ME may be followed by K ($\pm 10\%$) (for 100~4700pF), M($\pm 20\%$) (for 5600~10000pF).

Last Updated on 2024-04-27

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."

Model EA

File Number: E37921

COMPANY

MURATA MFG CO LTD

COMPONENT BUSINESS UNIT

1-10-1 HIGASIKOTARI

NAGAOKAKYO-SHI, Kyoto 617-8555 Japan

MODEL INFO

EA may be followed by K ($\pm 10\%$) (for 10~47pF), K ($\pm 10\%$) or M ($\pm 20\%$) (for 100~680pF), M ($\pm 20\%$) (for 1000~2200pF).

Class X1/Y1 Capacitors

GENERAL									
US Standard	Canadian Standard	Capacitor Class	Voltage (V)	AC or DC Capacitance	Tolerance (%)	Resistance for RC Devices	Lower Temperature (°C)	Upper Temperature (°C)	Additional Robustness Grades
--	--	X1/Y1	1500	DC 10~2200pF	K($\pm 10\%$)or M($\pm 20\%$)		-40	125	
--	--	Y1	250 / 300	AC 10~2200pF	K($\pm 10\%$)or M($\pm 20\%$)		-40	125	
--	--	X1	440	AC 10~2200pF	K($\pm 10\%$)or M($\pm 20\%$)		-40	125	

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."





产品认证证书

证书编号: CQC16001142384

发证日期: 2023年04月18日

有效期至: 长期有效

委托人名称	株式会社 村田制作所
及注册地址	日本国京都府长冈京市东神足1丁目10-1番
制造商名称	株式会社 村田制作所
及注册地址	日本国京都府长冈京市东神足1丁目10-1番
生产企业名称	Murata Electronics (Thailand), Ltd.
及生产地址	63 Moo4, Tambol Ban-Klang, Amphur Muang, Lamphun 51000 泰国
产品名称和系列、规格、型号	抑制电磁干扰和电源网络连接用固定电容器 EA : X1 440Vac, Y1 300Vac/250Vac, 10pF ~ 2200pF, 40/125/21/C
产品标准和技术要求	IEC60384-14:2005
认证模式	产品型式试验+初次工厂检查+获证后监督

上述产品符合 CQC11-471112-2015 认证规则的要求, 特发此证。

本证书为变更证书, 证书首次颁发日期: 2016年04月12日

本证书的有效性依据发证机构的定期监督获得保持。

可通过扫描下方二维码或登录国家认监委网站 (www.cnca.gov.cn) 查验证书信息



签发:

谢肇煦



中国质量认证中心





CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC16001142384

Valid from: Apr.18,2023

Valid until:long-term

NAME AND REGISTERED ADDRESS OF THE APPLICANT	Murata Manufacturing Co., Ltd. 10-1 Higashikotari 1-Chome Nagaokakyo-shi Kyoto-fu 617-8555, Japan
NAME AND REGISTERED ADDRESS OF THE MANUFACTURER	Murata Manufacturing Co., Ltd. 10-1 Higashikotari 1-Chome Nagaokakyo-shi Kyoto-fu 617-8555, Japan
NAME AND LOCATION OF THE FACTORY	Murata Electronics (Thailand), Ltd. 63 Moo4, Tambol Ban-Klang, Amphur Muang, Lamphun 51000 Thailand
PRODUCT NAME, MODEL AND SPECIFICATION	FIXED CAPACITORS FOR ELECTROMAGNETIC INTERFERENCE SUPPRESSION AND CONNECTION TO THE SUPPLY MAINS EA : X1 440Vac, Y1 300Vac/250Vac, 10pF ~ 2200pF,40/125/21/C
THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS	IEC60384-14:2005
TYPE OF CERTIFICATION SCHEMES	Type Testing of Product + Initial Factory Inspection + Follow up Factory Inspection

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471112-2015.

Date of original issued: Apr.12,2016

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body.

The certificate information is available through the QR code below or CNCA's website: www.cnca.gov.cn



SIGNATURE:

谢肇煦



CHINA QUALITY CERTIFICATION CENTRE

