

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

Type RB

X1 : 760 Vac(r.m.s.) Y1 : 500 Vac(r.m.s.)

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)
UL/cUL	UL60384-14/CSA E60384-14	E37921	No expiration date (有効期限無し)	j-1
ENEC(VDE)	EN IEC 60384-14	40046675	No expiration date (有効期限無し)	j-2
CQC	IEC60384-14	CQC17001178139	2030-11-10	j-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

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

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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

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Model RB

File Number: E37921

COMPANY

MURATA MFG CO LTD

COMPONENT BUSINESS UNIT

1-10-1 HIGASIKOTARI

NAGAOKAKYO-SHI, Kyoto 617-8555 Japan

MODEL INFO

RB may be followed by K ($\pm 10\%$) or M ($\pm 20\%$) for capacitance tolerance.

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	760	AC	10~4700pF	+/- 20		-40	125	
--	--	Y1	500	AC	10~4700pF	+/- 20		-40	125	

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ZEICHENGENEHMIGUNG MARKS APPROVAL

Murata Mfg. Co., Ltd.
(Headquarters)
10-1 Higashikotari 1-Chome
NAGAOKAKYO-SHI, KYOTO 617-8555
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.



und/oder - and/or

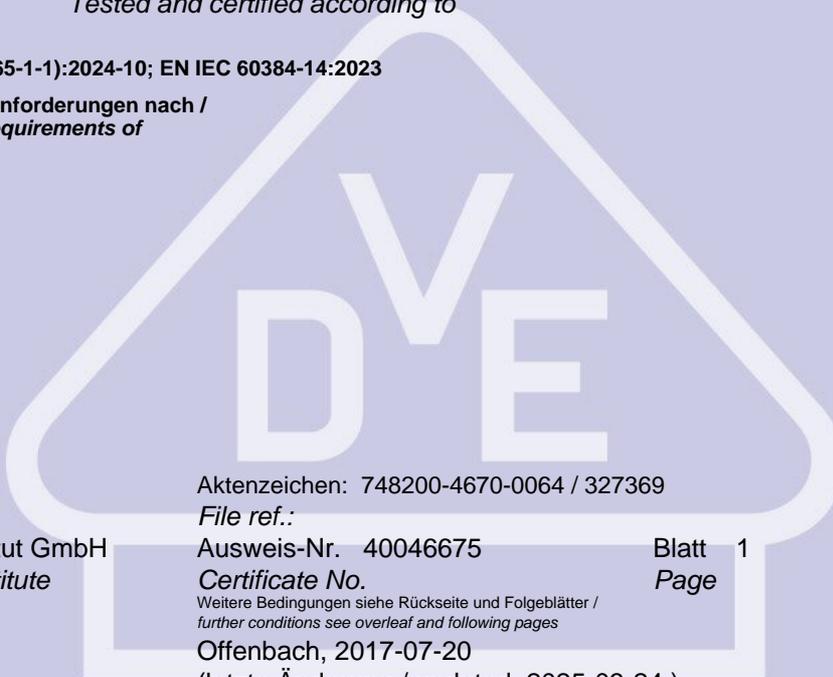


Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN IEC 60384-14 (VDE 0565-1-1):2024-10; EN IEC 60384-14:2023

Das Produkt erfüllt auch die Anforderungen nach /
The product also fulfills the requirements of

IEC 60384-14:2023



Aktenzeichen: 748200-4670-0064 / 327369

File ref.:

Ausweis-Nr. 40046675

Blatt 1

Certificate No.

Page

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

Offenbach, 2017-07-20

(letzte Änderung / updated 2025-03-24)

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VDE Testing and Certification Institute
Zertifizierungsstelle / Certification

T. Stenger

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VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Ausweis-Nr. / Blatt /
Certificate No. / Page
40046675 2

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*

Murata Mfg. Co., Ltd. (Headquarters), 10-1 Higashikotari 1-Chome, NAGAOKAKYO-SHI, KYOTO 617-8555,
JAPAN

Aktenzeichen / *File ref.*

748200-4670-0064 / 327369 / TL3 / BT

letzte Änderung / *updated*

2025-03-24

Datum / *Date*

2017-07-20

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40046675.

This supplement is only valid in conjunction with page 1 of the Certificate No. 40046675.

Festkondensator zur Unterdrückung elektromagnetischer Störungen, geeignet für Netzbetrieb

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

Typ(en) / *Type(s)*

RB-Series

Warenzeicheninhaber
Trademark holder

Murata Mfg. Co., Ltd. (Headquarters)

Weitere Einzelheit(en)
Further details

Anlage Nr. 200, 600 und 700 vom 2025-03-24
Enclosure no. 200, 600 and 700 dated 2025-03-24

VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Ausweis-Nr. / Beiblatt /
Certificate No. Supplement
40046675

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*

Murata Mfg. Co., Ltd. (Headquarters), 10-1 Higashikotari 1-Chome, NAGAOKAKYO-SHI, KYOTO 617-8555,
JAPAN

Aktenzeichen / *File ref.*

748200-4670-0064 / 327369 / TL3 / BT

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2025-03-24

Datum / *Date*

2017-07-20

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40046675.

This supplement is part of the Certificate No. 40046675.

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*

30002166

Murata Electronics (Thailand) Ltd.
Northern Region Ind. Est., 63 Moo 4
Tambol Ban-Klang Amphur Muang
LAMPHUN 51000
THAILAND

VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Ausweis-Nr. / Infoblatt /
Certificate No. Info sheet
40046675

Name und Sitz des Genehmigungs-Inhabers / Name and registered seat of the Certificate holder

Murata Mfg. Co., Ltd. (Headquarters), 10-1 Higashikotari 1-Chome, NAGAOKAKYO-SHI, KYOTO 617-8555, JAPAN

Aktenzeichen / File ref.

748200-4670-0064 / 327369 / TL3 / BT

letzte Änderung / updated

2025-03-24

Datum / Date

2017-07-20

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40046675.

This supplement is only valid in conjunction with page 1 of the Certificate No. 40046675.

Genehmigung zum Benutzen des auf Seite 1 abgebildeten markenrechtlich geschützten Zeichens des VDE:

Grundlage für die Benutzung sind die Allgemeinen Geschäftsbedingungen (AGB) der VDE Prüf- und Zertifizierungsinstitut GmbH (www.vde.com\AGB-Institut). Das Recht zur Benutzung erstreckt sich nur auf die bezeichnete Firma mit den genannten Fertigungsstätten und die oben aufgeführten Produkte mit den zugeordneten Bezeichnungen. Die Fertigungsstätte muss so eingerichtet sein, dass eine gleichmäßige Herstellung der geprüften und zertifizierten Ausführung gewährleistet ist.

Die Genehmigung ist so lange gültig wie die VDE Bestimmungen gelten, die der Zertifizierung zugrunde gelegen haben, sofern sie nicht auf Grund anderer Bedingungen aus der VDE Prüf- und Zertifizierungsordnung (PM102) zurückgezogen werden muss.

Der Gültigkeitszeitraum einer VDE GS-Zeichengenehmigung kann auf Antrag verlängert werden. Bei gesetzlichen und / oder normativen Änderungen kann die VDE GS-Zeichengenehmigung ihre Gültigkeit zu einem früheren als dem angegebenen Datum verlieren.

Produkte, die das Biozid Dimethylfumarat (DMF) enthalten, dürfen gemäß der Kommissionsentscheidung 2009/251/EG nicht mehr in den Verkehr gebracht oder auf dem Markt bereitgestellt werden.

Der VDE Zeichengenehmigungsausweis wird ausschließlich auf der ersten Seite unterzeichnet.

Approval to use the legally protected Mark of the VDE as shown on the first page:

Basis for the use are the general terms and conditions of the VDE Testing and Certification Institute (www.vde.com\terms-institute). The right to use the mark is granted only to the mentioned company with the named places of manufacture and the listed products with the related type references. The place of manufacture shall be equipped in a way that a constant manufacturing of the certified construction is assured.

The approval is valid as long as the VDE specifications are in force, on which the certification is based on, unless it is withdrawn according to the VDE Testing and Certification Procedure (PM102E).

The validity period of a VDE GS-Mark Approval may be prolonged on request. In case of changes in legal and / or normative requirements, the validity period of a VDE GS-Mark Approval may be shortened.

Products containing the biocide dimethylfumarate (DMF) may not be marketed or made available on the EC market according to the Commission Decision 2009/251/EC.

The approval is solely signed on the first page.

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40046675.
This supplement is only valid in conjunction with page 1 of the Certificate No. 40046675

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

Typ(en) Type(s)	RB-Series		
Bemessungskapazität Rated capacitance	10pF; 12pF; 15pF; 18pF; 22pF; 27pF; 33pF; 39pF; 47pF; 56pF; 68pF; 82pF; 100pF; 150pF; 220pF; 330pF; 470pF; 680pF; 1000pF; 1500pF; 2200pF; 3300pF; 3900pF; 4700pF		
Bemessungsspannung Rated voltage	X1 : AC760V Y1 : AC500V		
Kondensatorklasse und -unterklasse Capacitor class and subclass	X1 / Y1		
Grenzabweichung der Bemessungskapazität Tolerance of rated capacitance	±10% (K) oder/or ±20% (M)		
Klimakategorie Climatic category	40/125/21		
Kategorie der passiven Entflammbarkeit Passive flammability category	C		
Keramikart Type of ceramic	SL (10 pF bis/to 82 pF) B (68 pF bis/to 1000 pF) E (470 pF bis/to 4700 pF)		
Genehmigung für Gleichspannungs-anwendungen nach Anhang H Approval for d.c. applications according to Annex H	<input type="checkbox"/>	ja yes	Bemessungsgleichspannung DC ___ V d.c. rated voltage
	<input checked="" type="checkbox"/>	nein no	
Genehmigung für Feuchtebeständigkeitsklasse nach Anhang I Approval for humidity robustness grade according to Annex I	<input type="checkbox"/>	IA	21 Tage bei 40 °C / 93 % r.F. mit angelegter Bemessungsspannung 21 days at 40 °C / 93 % r.h. with rated voltage applied
	<input type="checkbox"/>	IB	168 Stunden bei 85 °C / 85 % r.F. mit angelegter Bemessungsspannung 168 hours at 85 °C / 85 % r.h. with rated voltage applied
	<input type="checkbox"/>	IIA	56 Tage bei 40 °C / 93 % r.F. mit angelegter Bemessungsspannung 56 days at 40 °C / 93 % r.h. with rated voltage applied
	<input type="checkbox"/>	IIB	500 Stunden bei 85 °C / 85 % r.F. mit angelegter Bemessungsspannung 500 hours at 85 °C / 85 % r.h. with rated voltage applied
	<input type="checkbox"/>	IIIA	56 Tage bei 60 °C / 93 % r.F. mit angelegter Bemessungsspannung 56 days at 60 °C / 93 % r.h. with rated voltage applied
	<input type="checkbox"/>	IIIB	1.000 Stunden bei 85 °C / 85 % r.F. mit angelegter Bemessungsspannung 1.000 hours at 85 °C / 85 % r.h. with rated voltage applied
	<input checked="" type="checkbox"/>	keine none	

VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Rubrik / Rubric

Ausweis-Nr. /
Certificate No.Anlage /
Appendix
200

341

40046675

Aktenzeichen / File ref.

letzte Änderung / updated

Datum / Date

748200-4670-
0064/327369/TL3/BT

2025-03-24

2017-07-20

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40046675.
This supplement is only valid in conjunction with page 1 of the Certificate No. 40046675

Warenzeicheninhaber
Trademark holder

Murata MFG. Co., Ltd.





产品认证证书

证书编号: CQC17001178139

 发证日期: 2025 年 11 月 11 日
 有效期至: 2030 年 11 月 10 日

委托人名称 及注册地址	株式会社 村田制作所 日本国京都府长冈京市东神足 1 丁目 10-1 番
制造商名称 及注册地址	株式会社 村田制作所 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 及生产地址	Murata Electronics (Thailand), Ltd. Northern Region Ind. Estate 63 Moo 4, 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 RB: 10pF~4700pF; X1Y1; K (±10%) or M (±20%); X1: AC 760V, Y1:AC 500V; 40/125/21/C
产品标准和技术要求	IEC60384-14:2013+AMD1:2016
认证模式	产品检测+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: 2017 年 09 月 29 日

证书有效期内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
CHINA QUALITY CERTIFICATION CENTRE



中国质量认证中心有限公司
中国·北京·南四环西路188号9区 100070

电话: +86 10 83886666
<http://www.cqc.com.cn>



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC17001178139

Valid from: Nov.11,2025

Valid until:Nov.10,2030

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. Northern Region Ind. Estate 63 Moo 4, 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 RB: 10pF~4700pF ; X1Y1; K (±10%) or M (±20%) ; X1: AC 760V, Y1:AC 500V; 40/125/21/C
THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS	IEC60384-14:2013+AMD1:2016
TYPE OF CERTIFICATION SCHEMES	Product Testing + 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: Sep.29,2017

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

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



SIGNATURE:

谢肇煦



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



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