



MURATA MANUFACTURING CO., LTD.

Attention: DIGI-KEY

No. : HEMCG0-1382A

Date : May 30, 2012

MLCC: Monolithic Ceramic Capacitor

Notification - Discontinuance of Legacy products using Precious Metal

Dear Valued Customer,

Thank you very much for your patronage on our ceramic capacitor.

We would much appreciate to submit this letter to inform you about the Discontinuance of Legacy MLCC products which use Precious Metal for the Inner/Outer Electrode.

1. Object PartMLCC (Chip Monolithic Ceramic Capacitor) using Precious Metal for the Inner/Outer Electrode only.

GRx03 - GRx55 series (0.6×0.3mm - 5.7×5.0mm) / (0201 - 2220)

GCx03 - GCx55 series (0.6×0.3mm - 5.7×5.0mm) / (0201 - 2220) *Only High Dielectric Constant Type

GNx series

*Please see Section 2 and Section 5 for details.

2. Applied Part Numbers and Murata Product Types

(1) Customer Part Number: Please find enclosed Appendix(1).

(2) Murata Product Types/Series subject to Discontinuance:

↓	↓
<u>GRxxxx xx xx xxx x Dxx x</u>	<u>GRxxxx xx xx xxx x Zxx x</u>
<u>GCxxxx xx xx xxx x Dxx x</u>	<u>GCxxxx xx xx xxx x Zxx x</u>
<u>GNxxxx xx xx xxx x Dxx x</u>	<u>GNxxxx xx xx xxx x Zxx x</u>

*Last 4 digit Suffix (ending with "D" or "Z"): Dxxx / Zxxx

3. Reason

Precious Metal's market price continues increasing and stays high.

Particularly, Palladium price has been impacting Murata's MLCC products.

In addition, Chinese government's export control from 2010 hangs over our head by Rare Earth's procurement and purchase cost.

Even Murata takes any means to manage the situation, to avoid negative impact by Precious Metal and Rare Earth, however Precious Metal price increase and Rare Earth's crisis bring great influence onto our production.

Murata has been expanding the products that use Base Metal for the Inner/Outer Electrode material as standard products. We would like you to accept this change because of our standardization point of view. The change to Base Metal enables us to manage the risk from the influence of Precious Metal market in supply and cost.

4. Discontinuance ScheduleDate of Last Time Buy : **September 30, 2013**Date of Discontinue Production : **March 31, 2014**Please return this form with your signature by **November 30, 2012**.

We would like to take action after your acceptance.

Please feel free to contact us, if you have any question or request on our proposal.

5. Proposal of alternate product

We would like to propose the alternate product.
Please find enclosed Appendix(1).
Please confirm.

(1) Structure

· Fig.1 (Nickel Barrier termination)

· Fig.2 (Silver Palladium termination)

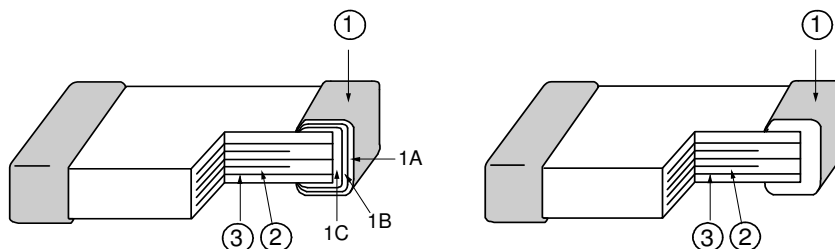


Table A

No.	NAME	Material	
		Current (Fig.1)	New (Fig.1)
①	Termination		
	1A Plated layer	Tin	Tin
	1B Plated layer	Nickel	Nickel
	1C Electrode	Silver/Palladium or Silver	Copper
②	Dielectric layer	TiO2	CaZrO3
③	Inner electrode	Palladium or Silver/Palladium	Nickel

Table B

No.	NAME	Material	
		Current (Fig.1)	New (Fig.1)
①	Termination		
	1A Plated layer	Tin	Tin
	1B Plated layer	Nickel	Nickel
	1C Electrode	Silver/Palladium or Silver	Copper
②	Dielectric layer	BaTiO3	BaTiO3
③	Inner electrode	Palladium or Silver/Palladium	Nickel

Table C

No.	NAME	Material	
		Current (Fig.2)	New (Fig.1)
①	Termination	Silver/Palladium or Silver	
	1A Plated layer	-	Tin
	1B Plated layer	-	Nickel
	1C Electrode	-	Copper
②	Dielectric layer	BaTiO3	BaTiO3
③	Inner electrode	Palladium or Silver/Palladium	Nickel

(2) Please see attached Typical Reliability Test Data for your reference.

6. Others

This change will be applied to all Murata production factory of Chip MLCC, as follows:
Fukui Murata Mfg.Co., Ltd., Izumo Murata Mfg.Co.,Ltd., Okayama Murata Mfg.Co., Ltd.
Murata Electronics Singapore(Pte.) Ltd., Wuxi Murata Electronics Co., Ltd.

Yours very truly,

The notification for the acceptance

Date :
Company :
Signature :
Comment :

Business Development Support Sec. I
Planning & Market Promotion Department
Monolithic Ceramic Capacitor Group
Fukui Murata Mfg. Co., Ltd.

* Please return this form with your signature to our sales representative by **November 30, 2012.**

Appendix (1)

Customer P/N	Murata P/N		Structure
	Current	New	
490-1241-2-ND	GRM0335C1ER50CZ01D	GRM0335C1ER50CA01D	Table A
490-1242-2-ND	GRM0335C1E1R2CD01D	GRM0335C1E1R2CA01D	Table A
490-1243-2-ND	GRM0335C1E1R5CD01D	GRM0335C1E1R5CA01D	Table A
490-1244-2-ND	GRM0335C1E1R8CD01D	GRM0335C1E1R8CA01D	Table A
490-1245-2-ND	GRM0335C1E2R0CD01D	GRM0335C1E2R0CA01D	Table A
490-1246-2-ND	GRM0335C1E2R2CD01D	GRM0335C1E2R2CA01D	Table A
490-1247-2-ND	GRM0335C1E2R4CD01D	GRM0335C1E2R4CA01D	Table A
490-1248-2-ND	GRM0335C1E3R3CD01D	GRM0335C1E3R3CA01D	Table A
490-1249-2-ND	GRM0335C1E3R6CD01D	GRM0335C1E3R6CA01D	Table A
490-1250-2-ND	GRM0335C1E7R0DD01D	GRM0335C1E7R0DA01D	Table A
490-1251-2-ND	GRM0335C1E9R0DD01D	GRM0335C1E9R0DA01D	Table A
490-1252-2-ND	GRM0335C1E200JD01D	GRM0335C1E200JA01D	Table A
490-1253-2-ND	GRM0335C1E220JD01D	GRM0335C1E220JA01D	Table A
490-1254-2-ND	GRM0335C1E300JD01D	GRM0335C1E300JA01D	Table A
490-1255-2-ND	GRM0335C1E330JD01D	GRM0335C1E330JA01D	Table A
490-1256-2-ND	GRM0335C1E470JD01D	GRM0335C1E470JA01D	Table A
490-1257-2-ND	GRM0335C1E820JD01D	GRM0335C1E820JA01D	Table A
490-1258-2-ND	GRM033R71C101KD01D	GRM033R71C101KA01D	Table B
490-1259-2-ND	GRM033R71C471KD01D	GRM033R71C471KA01D	Table B
490-1260-2-ND	GRM033R71C681KD01D	GRM033R71C681KA01D	Table B
490-1260-2-NDL	GRM033R71C681KD01D	GRM033R71C681KA01D	Table B
490-1261-2-ND	GRM033R71C102KD01D	GRM033R71C102KA01D	Table B
490-1263-2-ND	GRM1555C1HR50CZ01D	GRM1555C1HR50CA01D	Table A
490-1264-2-ND	GRM1555C1HR75CZ01D	GRM1555C1HR75CA01D	Table A
490-1265-2-ND	GRM1555C1H1R2CZ01D	GRM1555C1H1R2CA01D	Table A
490-1266-2-ND	GRM1555C1H1R5CZ01D	GRM1555C1H1R5CA01D	Table A
490-1267-2-ND	GRM1555C1H2R2CZ01D	GRM1555C1H2R2CA01D	Table A
490-1268-2-ND	GRM1555C1H2R4CZ01D	GRM1555C1H2R4CA01D	Table A
490-1269-2-ND	GRM1555C1H2R7CZ01D	GRM1555C1H2R7CA01D	Table A
490-1270-2-ND	GRM1555C1H3R3CZ01D	GRM1555C1H3R3CA01D	Table A
490-1271-2-ND	GRM1555C1H3R6CZ01D	GRM1555C1H3R6CA01D	Table A
490-1272-2-ND	GRM1555C1H3R9CZ01D	GRM1555C1H3R9CA01D	Table A
490-1273-2-ND	GRM1555C1H4R7CZ01D	GRM1555C1H4R7CA01D	Table A
490-1274-2-ND	GRM1555C1H5R0CZ01D	GRM1555C1H5R0CA01D	Table A
490-1275-2-ND	GRM1555C1H5R6DZ01D	GRM1555C1H5R6DA01D	Table A
490-1276-2-ND	GRM1555C1H6R8DZ01D	GRM1555C1H6R8DA01D	Table A
490-1277-2-ND	GRM1555C1H7R0DZ01D	GRM1555C1H7R0DA01D	Table A
490-1278-2-ND	GRM1555C1H100JZ01D	GRM1555C1H100JA01D	Table A
490-1279-2-ND	GRM1555C1H120JZ01D	GRM1555C1H120JA01D	Table A
490-1279-2-NDL	GRM1555C1H120JZ01D	GRM1555C1H120JA01D	Table A
490-1280-2-ND	GRM1555C1H150JZ01D	GRM1555C1H150JA01D	Table A
490-1281-2-ND	GRM1555C1H180JZ01D	GRM1555C1H180JA01D	Table A
490-1282-2-ND	GRM1555C1H200JZ01D	GRM1555C1H200JA01D	Table A
490-1283-2-ND	GRM1555C1H220JZ01D	GRM1555C1H220JA01D	Table A
490-1284-2-ND	GRM1555C1H270JZ01D	GRM1555C1H270JA01D	Table A
490-1285-2-ND	GRM1555C1H300JZ01D	GRM1555C1H300JA01D	Table A
490-1286-2-ND	GRM1555C1H390JZ01D	GRM1555C1H390JA01D	Table A
490-1287-2-ND	GRM1555C1H470JZ01D	GRM1555C1H470JA01D	Table A
490-1289-2-ND	GRM1555C1H680JZ01D	GRM1555C1H680JA01D	Table A
490-1290-2-ND	GRM1555C1H820JZ01D	GRM1555C1H820JA01D	Table A
490-1370-2-ND	GRM1885C1HR50CZ01D	GRM1885C1HR50CA01D	Table A
490-1371-2-ND	GRM1885C1HR75CZ01D	GRM1885C1HR75CA01D	Table A
490-1372-2-ND	GRM1885C1H1R0CZ01D	GRM1885C1H1R0CA01D	Table A
490-1373-2-ND	GRM1885C1H1R1CZ01D	GRM1885C1H1R1CA01D	Table A
490-1374-2-ND	GRM1885C1H1R2CZ01D	GRM1885C1H1R2CA01D	Table A
490-1375-2-ND	GRM1885C1H1R3CZ01D	GRM1885C1H1R3CA01D	Table A
490-1376-2-ND	GRM1885C1H1R5CZ01D	GRM1885C1H1R5CA01D	Table A
490-1377-2-ND	GRM1885C1H1R6CZ01D	GRM1885C1H1R6CA01D	Table A
490-1378-2-ND	GRM1885C1H1R8CZ01D	GRM1885C1H1R8CA01D	Table A
490-1379-2-ND	GRM1885C1H2R0CZ01D	GRM1885C1H2R0CA01D	Table A
490-1380-2-ND	GRM1885C1H2R2CZ01D	GRM1885C1H2R2CA01D	Table A
490-1381-2-ND	GRM1885C1H2R4CZ01D	GRM1885C1H2R4CA01D	Table A
490-1382-2-ND	GRM1885C1H2R7CZ01D	GRM1885C1H2R7CA01D	Table A
490-1383-2-ND	GRM1885C1H3R0CZ01D	GRM1885C1H3R0CA01D	Table A
490-1384-2-ND	GRM1885C1H3R3CZ01D	GRM1885C1H3R3CA01D	Table A

Appendix (1)

Customer P/N	Murata P/N		Structure
	Current	New	
490-1385-2-ND	GRM1885C1H3R6CZ01D	GRM1885C1H3R6CA01D	Table A
490-1386-2-ND	GRM1885C1H3R9CZ01D	GRM1885C1H3R9CA01D	Table A
490-1387-2-ND	GRM1885C1H4R0CZ01D	GRM1885C1H4R0CA01D	Table A
490-1388-2-ND	GRM1885C1H4R3CZ01D	GRM1885C1H4R3CA01D	Table A
490-1389-2-ND	GRM1885C1H4R7CZ01D	GRM1885C1H4R7CA01D	Table A
490-1390-2-ND	GRM1885C1H5R0CZ01D	GRM1885C1H5R0CA01D	Table A
490-1391-2-ND	GRM1885C1H5R1DZ01D	GRM1885C1H5R1DA01D	Table A
490-1392-2-ND	GRM1885C1H5R6DZ01D	GRM1885C1H5R6DA01D	Table A
490-1392-2-NDL	GRM1885C1H5R6DZ01D	GRM1885C1H5R6DA01D	Table A
490-1393-2-ND	GRM1885C1H6R0DZ01D	GRM1885C1H6R0DA01D	Table A
490-1394-2-ND	GRM1885C1H6R2DZ01D	GRM1885C1H6R2DA01D	Table A
490-1395-2-ND	GRM1885C1H6R8CZ01D	GRM1885C1H6R8CA01D	Table A
490-1396-2-ND	GRM1885C1H6R8DZ01D	GRM1885C1H6R8DA01D	Table A
490-1397-2-ND	GRM1885C1H7R0DZ01D	GRM1885C1H7R0DA01D	Table A
490-1398-2-ND	GRM1885C1H7R5DZ01D	GRM1885C1H7R5DA01D	Table A
490-1399-2-ND	GRM1885C1H8R0DZ01D	GRM1885C1H8R0DA01D	Table A
490-1400-2-ND	GRM1885C1H8R2DZ01D	GRM1885C1H8R2DA01D	Table A
490-1401-2-ND	GRM1885C1H9R0DZ01D	GRM1885C1H9R0DA01D	Table A
490-1402-2-ND	GRM1885C1H9R1DZ01D	GRM1885C1H9R1DA01D	Table A
490-1554-2-ND	GRM188F52A332ZD01D	-	-
490-1590-2-ND	GRM2195C2A100JZ01D	-	-
490-1591-2-ND	GRM2195C2A220JZ01D	-	-
490-1592-2-ND	GRM2195C2A330JZ01D	-	-
490-1593-2-ND	GRM2195C2A470JZ01D	-	-
490-1594-2-ND	GRM2195C2A560JZ01D	-	-
490-1595-2-ND	GRM2195C2A680JZ01D	-	-
490-1596-2-ND	GRM2195C2A750JZ01D	-	-
490-1597-2-ND	GRM2195C2A820JZ01D	-	-
490-1598-2-ND	GRM2195C2A910JZ01D	-	-
490-1925-2-ND	GRM43RF51H155ZD01L	-	-
490-1949-2-ND	GRM55RF52A684ZD01L	-	-
490-1951-2-ND	GRM55RF51H475ZD01L	-	-
490-3121-2-ND	GRM0335C1ER75CZ01D	GRM0335C1ER75CA01D	Table A
490-3122-2-ND	GRM0335C1E1R0CD01D	GRM0335C1E1R0CA01D	Table A
490-3123-2-ND	GRM0335C1E1R1CD01D	GRM0335C1E1R1CA01D	Table A
490-3124-2-ND	GRM0335C1E1R3CD01D	GRM0335C1E1R3CA01D	Table A
490-3126-2-ND	GRM0335C1E2R7CD01D	GRM0335C1E2R7CA01D	Table A
490-3127-2-ND	GRM0335C1E3R0CD01D	GRM0335C1E3R0CA01D	Table A
490-3128-2-ND	GRM0335C1E3R9CD01D	GRM0335C1E3R9CA01D	Table A
490-3129-2-ND	GRM0335C1E4R0CD01D	GRM0335C1E4R0CA01D	Table A
490-3130-2-ND	GRM0335C1E4R3CD01D	GRM0335C1E4R3CA01D	Table A
490-3131-2-ND	GRM0335C1E4R7CD01D	GRM0335C1E4R7CA01D	Table A
490-3132-2-ND	GRM0335C1E5R0CD01D	GRM0335C1E5R0CA01D	Table A
490-3133-2-ND	GRM0335C1E5R1DD01D	GRM0335C1E5R1DA01D	Table A
490-3134-2-ND	GRM0335C1E5R6DD01D	GRM0335C1E5R6DA01D	Table A
490-3135-2-ND	GRM0335C1E6R0DD01D	GRM0335C1E6R0DA01D	Table A
490-3139-2-ND	GRM0335C1E8R0DD01D	GRM0335C1E8R0DA01D	Table A
490-3140-2-ND	GRM0335C1E8R2DD01D	GRM0335C1E8R2DA01D	Table A
490-3142-2-ND	GRM0335C1E100JD01D	GRM0335C1E100JA01D	Table A
490-3144-2-ND	GRM0335C1E120JD01D	GRM0335C1E120JA01D	Table A
490-3145-2-ND	GRM0335C1E130JD01D	GRM0335C1E130JA01D	Table A
490-3146-2-ND	GRM0335C1E150JD01D	GRM0335C1E150JA01D	Table A
490-3147-2-ND	GRM0335C1E160JD01D	GRM0335C1E160JA01D	Table A
490-3148-2-ND	GRM0335C1E180JD01D	GRM0335C1E180JA01D	Table A
490-3149-2-ND	GRM0335C1E240JD01D	GRM0335C1E240JA01D	Table A
490-3150-2-ND	GRM0335C1E270JD01D	GRM0335C1E270JA01D	Table A
490-3152-2-ND	GRM0335C1E390JD01D	GRM0335C1E390JA01D	Table A
490-3155-2-ND	GRM0335C1E560JD01D	GRM0335C1E560JA01D	Table A
490-3157-2-ND	GRM0335C1E680JD01D	GRM0335C1E680JA01D	Table A
490-3159-2-ND	GRM0335C1E910JD01D	GRM0335C1E910JA01D	Table A
490-3160-2-ND	GRM0335C1E101JD01D	GRM0335C1E101JA01D	Table A
490-3186-2-ND	GRM033R71C151KD01D	GRM033R71C151KA01D	Table B
490-3187-2-ND	GRM033R71C221KD01D	GRM033R71C221KA01D	Table B
490-3189-2-ND	GRM033R71C331KD01D	GRM033R71C331KA01D	Table B
490-3200-2-ND	GRM1555C1H1R1CZ01D	GRM1555C1H1R1CA01D	Table A

Appendix (1)

Customer P/N	Murata P/N		Structure
	Current	New	
490-3202-2-ND	GRM1555C1H1R6CZ01D	GRM1555C1H1R6CA01D	Table A
490-3203-2-ND	GRM1555C1H1R8CZ01D	GRM1555C1H1R8CA01D	Table A
490-3204-2-ND	GRM1555C1H2R0CZ01D	GRM1555C1H2R0CA01D	Table A
490-3205-2-ND	GRM1555C1H3R0CZ01D	GRM1555C1H3R0CA01D	Table A
490-3206-2-ND	GRM1555C1H4R0CZ01D	GRM1555C1H4R0CA01D	Table A
490-3207-2-ND	GRM1555C1H4R3CZ01D	GRM1555C1H4R3CA01D	Table A
490-3208-2-ND	GRM1555C1H5R1DZ01D	GRM1555C1H5R1DA01D	Table A
490-3209-2-ND	GRM1555C1H6R0DZ01D	GRM1555C1H6R0DA01D	Table A
490-3210-2-ND	GRM1555C1H6R2DZ01D	GRM1555C1H6R2DA01D	Table A
490-3211-2-ND	GRM1555C1H7R5DZ01D	GRM1555C1H7R5DA01D	Table A
490-3212-2-ND	GRM1555C1H8R0DZ01D	GRM1555C1H8R0DA01D	Table A
490-3213-2-ND	GRM1555C1H8R2DZ01D	GRM1555C1H8R2DA01D	Table A
490-3214-2-ND	GRM1555C1H9R0DZ01D	GRM1555C1H9R0DA01D	Table A
490-3215-2-ND	GRM1555C1H9R1DZ01D	GRM1555C1H9R1DA01D	Table A
490-3218-2-ND	GRM1555C1H160JZ01D	GRM1555C1H160JA01D	Table A
490-3219-2-ND	GRM1555C1H240JZ01D	GRM1555C1H240JA01D	Table A
490-3220-2-ND	GRM1555C1H330JZ01D	GRM1555C1H330JA01D	Table A
490-3221-2-ND	GRM1555C1H360JZ01D	GRM1555C1H360JA01D	Table A
490-3222-2-ND	GRM1555C1H430JZ01D	GRM1555C1H430JA01D	Table A
490-3223-2-ND	GRM1555C1H510JZ01D	GRM1555C1H510JA01D	Table A
490-3225-2-ND	GRM1555C1H750JZ01D	GRM1555C1H750JA01D	Table A
490-3226-2-ND	GRM1555C1H910JZ01D	GRM1555C1H910JA01D	Table A
490-3342-2-ND	GRM21BF52A103ZD01L	-	-
490-3380-2-ND	GRM31MF52A473ZD01L	-	-
490-3415-2-ND	GNM314R72A221KD01D	-	-
490-3418-2-ND	GNM314R72A471KD01D	-	-
490-3428-2-ND	GNM314R71H391KD01D	-	-
490-3431-2-ND	GNM314R71H102KD01D	-	-
490-3432-2-ND	GNM314R71H152KD01D	-	-
490-3439-2-ND	GNM314R71H103KD01D	-	-
490-3440-2-ND	GNM314R71H153MD01D	-	-
490-3442-2-ND	GNM314R71C333MD01D	-	-
490-3454-2-ND	GNM314F51C104ZD01D	-	-
490-3458-2-ND	GRM1555C1H101JZ01D	GRM1555C1H101JA01D	Table A
GNM3145C1H221KD01D-ND	GNM3145C1H221KD01D	-	-
GNM314R71C223MD01D	GNM314R71C223MD01D	-	-
GNM314R71H182MD01D	GNM314R71H182MD01D	-	-
GNM314R71H272MD01D	GNM314R71H272MD01D	-	-
GNM314R72A332MD01D	GNM314R72A332MD01D	-	-
GRM0335C1E3R9BD01D-ND	GRM0335C1E3R9BD01D	GRM0335C1E3R9BA01D	Table A
GRM0335C1ER50BZ01D-ND	GRM0335C1ER50BZ01D	GRM0335C1ER50BA01D	Table A
GRM0335C1ER80CZ01D-ND	GRM0335C1ER80CZ01D	GRM0335C1ER80CA01D	Table A
GRM0335C1ER90CZ01D-ND	GRM0335C1ER90CZ01D	GRM0335C1ER90CA01D	Table A
GRM0335C1H101JD01D-ND	GRM0335C1H101JD01D	GRM0335C1H101JA01D	Table A
GRM0335C1H180JD01D-ND	GRM0335C1H180JD01D	GRM0335C1H180JA01D	Table A
GRM0335C1H4R0CD01D-ND	GRM0335C1H4R0CD01D	GRM0335C1H4R0CA01D	Table A
GRM0335C1H6R8DD01D-ND	GRM0335C1H6R8DD01D	GRM0335C1H6R8DA01D	Table A
GRM0335C1H8R0CD01D-ND	GRM0335C1H8R0CD01D	GRM0335C1H8R0CA01D	Table A
GRM1552C1H101JZ01D-ND	GRM1552C1H101JZ01D	GRM1552C1H101JA01D	Table A
GRM1555C1H1R5BZ01D-ND	GRM1555C1H1R5BZ01D	GRM1555C1H1R5BA01D	Table A
GRM1555C1H820JZ01D	GRM1555C1H820JZ01D	GRM1555C1H820JA01D	Table A
GRM1555C1HR30BZ01D	GRM1555C1HR30BZ01D	GRM1555C1HR30BA01D	Table A
GRM1885C1H7R5CZ01J	GRM1885C1H7R5CZ01J	GRM1885C1H7R5CA01J	Table A
GRM1885C1HR30CD01D-ND	GRM1885C1HR30CD01D	-	-
GRM1885C2A8R2DZ01D-ND	GRM1885C2A8R2DZ01D	GRM1885C2A8R2DA01D	Table A
GRM2165C1H220JZ01D-ND	GRM2165C1H220JZ01D	-	-
GRM2165C1HR10BD01D-ND	GRM2165C1HR10BD01D	-	-
GRM2165C1HR20BD01D-ND	GRM2165C1HR20BD01D	-	-
GRM2165C1HR30CD01D-ND	GRM2165C1HR30CD01D	-	-
GRM2165C1HR40CD01D-ND	GRM2165C1HR40CD01D	-	-
GRM2165C1HR70CD01D-ND	GRM2165C1HR70CD01D	-	-
GRM2165C1HR80CD01D-ND	GRM2165C1HR80CD01D	-	-
GRM2165C1HR90CD01D-ND	GRM2165C1HR90CD01D	-	-
GRM2195C2A180FZ01D	GRM2195C2A180FZ01D	-	-
GRM2195C2A1R6CD01D	GRM2195C2A1R6CD01D	-	-

Appendix (1)

Customer P/N	Murata P/N		Structure
	Current	New	
GRM31M5C2A102GZ01L	GRM31M5C2A102GZ01L	-	-
GRM32MF51H334ZD01L	GRM32MF51H334ZD01L	-	-